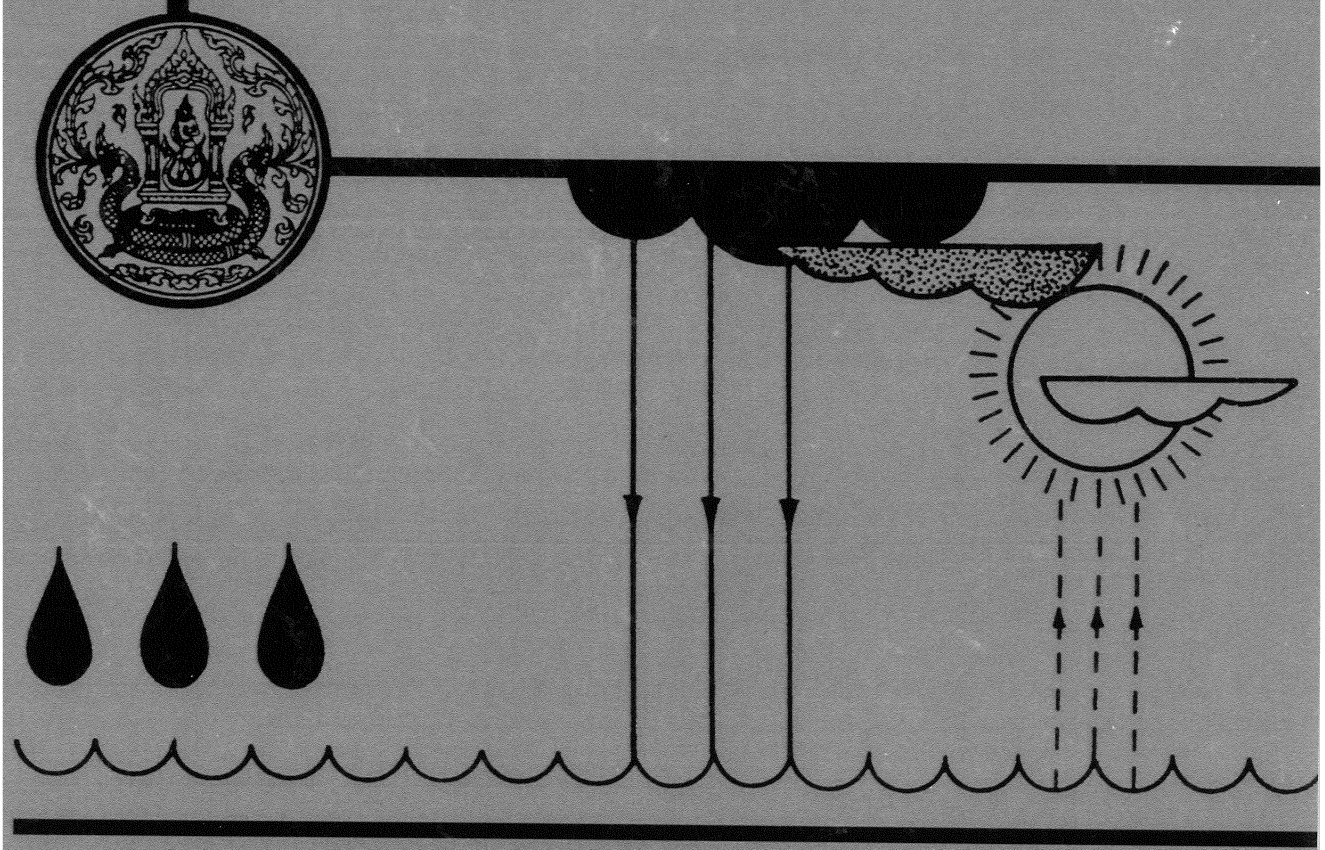
THAILAND
HYDROLOGICAL YEARBOOK

WATER YEAR 1983

VOLUME 26



ROYAL IRRIGATION DEPARTMENT
HYDROLOGY DIVISION
BANGKOK

THAILAND
HYDROLOGICAL YEARBOOK

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FOREWORD

The Programme of yearbook publications was initiated in 1966. Great efforts have been made in editing as well as thesetting up of standard for yearbook publication. The previously proceeded data have been reviewed and arranged in serial order or volumes to be published. The first issue was published in 1968 as Volume 8. It presents records, during 1965 water year, of stage and discharge of 59 streams at 86 actual streamflow calibrating sites and at 27 previously calibrated ones. Up till now 25 volumes of yearbooks presenting streamflow data as early as 1912 up to 1982 totalling 4,519 station-years of record had been published.

This Volume 26 which is the twenty-sixth issues of the series, was prepared by the Data Processing Section. It Presents records, during 1983 water year, of stage and discharge of 176 streams at 208 currently calibrating sites and at 27 previously or subsequently calibrating ones.

Hydrology Division
October 1986

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Special thanks are conveyed to the Budget Bureau, office of the Prime Minister, who always renders great support to this work, also others who have valuable advices in improving the work standard are kindly pleased to accept our sincere thanks.

Thank to Mr. Thada Sukhabunnaphan for the initiative of Hydrology Data Processing with Computer to Data Processing Section from 1978 and thank to Mr. Amnuey Somsin, Chief of Data Processing Section, for the valuable advice.

Also may we express our sincere wish to Hydrological Investigation Sections, Study and Discharge Analysis Unit and Study and Water-Level Analysis Unit for the complete issue of Thailand Hydrological yearbook Volume 26.

Hydrology Division
October 1986

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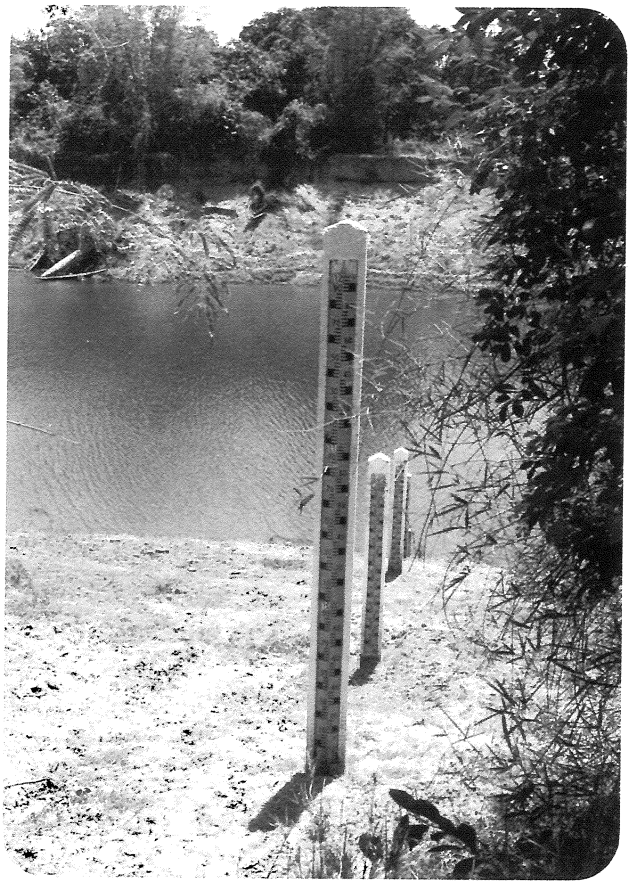


Fig. 1 Typical vertical staff gage



Fig. 2 Typical shelter for water level recorder (Float Type)



Fig. 3 Standard bench mark



Fig. 4 Close - up of rating operation

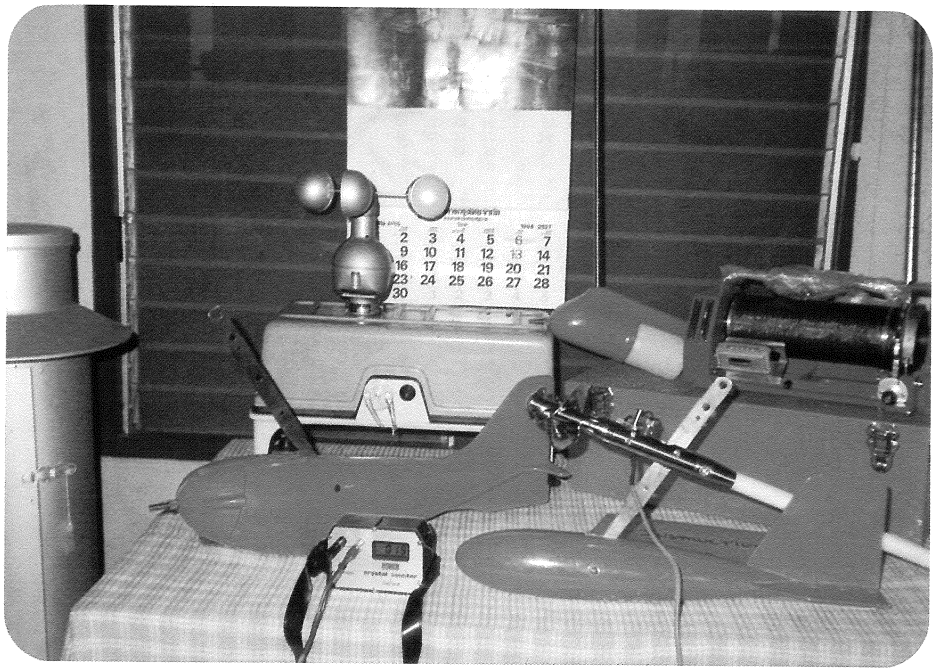


Fig. 5 Standard hydrologic equipment

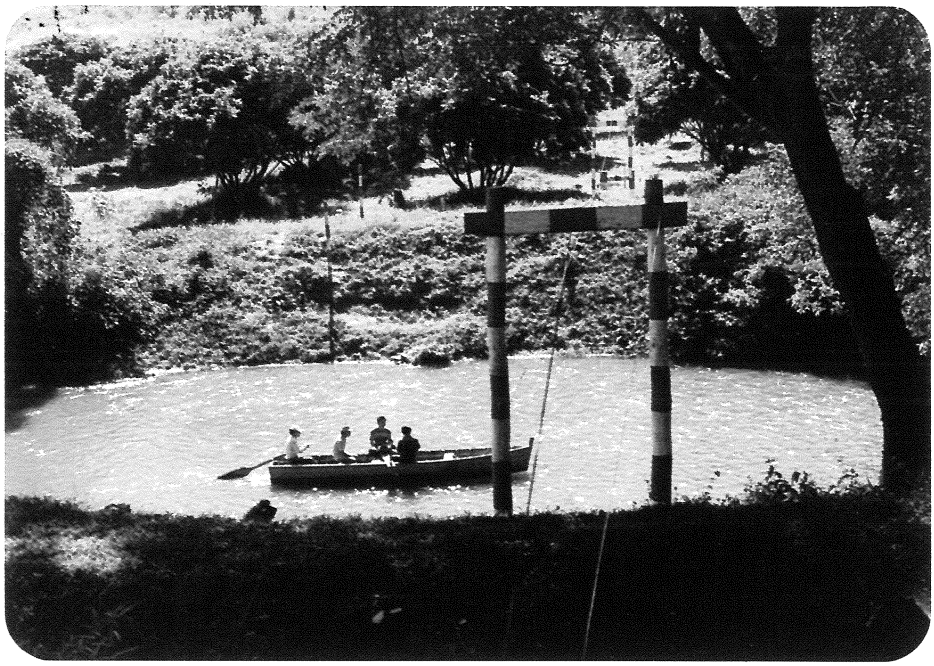


Fig. 6 Measuring line



Fig. 7 Camp for hydrological station

HYDROLOGICAL YEAR BOOK PUBLICATION

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Introduction

Great attempt has been made all along to expedite the engineering processing of the streamflow data to be ready for publication, and to translate the publication plan into implementation. Efforts from various working units as well as personnel concerned are pulled together to drive this work into reality. Publication of streamflow data has begun since 1966. The first yearbook publication came out as Volume 8 for the 1965 water year. It presents records of stage and discharge of 113 gaging stations in 59 streams.

Definition of terms and abbreviations

Table for converting Metric Units to English Units is on page XXI. Terms related to streamflow and other hydrologic data, as used in this report, are defined as follows:

CMS-day is the volume of water represented by a flow of 1 cubic meter per second for 24 hours. It is equivalent to 86,400 cubic meters, 0.0864 million cubic meter, or 3,050,784 cubic feet, or 70.07 acre-feet, and represents a runoff of 86.4 millimeters from 1 square kilometer.

Control designates of feature downstream from the gage that determines the stage-discharge relation at the gage. This feature may be a natural constriction of the channel, an artificial structure, or a uniform cross section over a long reach of the channel.

Cubic meter per second (cms) is the rate of stream discharge expressed in volume per a unit of time. One cubic meter per second is the rate of discharge representing a volume of 1 cubic meter passing a given point during 1 second.

Discharge is the volume of water (or more broadly, total fluids), that passes a given point within a given period of time.

Mean discharge is the arithmetic average of individual daily mean discharge during a specific period.

Momentary peak discharge is the peak discharge at a particular instant of time, at least once a year.

Drainage area of a stream at a specified location is that area, measured in a horizontal plane, enclosed by a topographic divide from which direct surface runoff from rainfall would normally drains by gravity into the stream above the specified point. Figures of drainage area given herein are determined from Royal Thai Survey Department AMS map with scale of 1 to 50,000, unless otherwise noted. They include all closed basins, or noncontributing areas, within the area unless otherwise noted.

Gage height (G.H.) is the water surface elevation above some arbitrary gage datum to which, in most cases, referred the Mean Sea Level (M.S.L.) Ko Lak datum, otherwise the arbitrary assumed datum (A.D.) being used.

Gaging station is a particular site on a stream, canal, lake, or reservoir where systematic observations of gage height or discharge are obtained. The term "staff gaging station" is applied only those gaging stations where only a gage height record is observed at an installed staff gage. If a water stage recorder is also installed, such a gaging station is referred as recording gaging station. In case of discharge measurements being practiced, it is referred as streamflow calibration or rating station.

Million cubic meter (mcm) is the volume of water expressed in millions of cubic meter.

One million cubic meter is the quantity of water required to cover 1 square kilometer to a depth of 1 meter and is equivalent to 811 acre-feet, or 408.6 cfs-day, or 264.2 million gallons.

Runoff in mcm shows the volume of approximately effective runoff from rainfall, passing a given point for a given period of time.

Annual runoff is the volume of approximately effective runoff from rainfall accumulated during the water year.

Stage-discharge relation is the relation between gage height and the volume of water per unit of time, flowing in a channel.

Rating tables giving the discharge for any gage height are prepared from stage-discharge relation curves or rating curves.

Water year is the 12-month period, April 1 through March 31, related to annual cycle of river flow during which the river begins to rise, reaching its flood stage and subsiding toward its cyclic minimum.

The water year is designated by the calendar year in which it begins and which includes 9 of 12 months. Thus, the year began April 1, 1969 is called the "1969 water year".

Order of listing of gaging data

In this format, gaging data are listed according to their code running number order. It has been found more convenient in locating the required data when the list is arranged in such manner. The station code name contains the letter standing for river name and number in running order according to the age of the station installed in that river. The station code, for example, for the Chao Phraya River at Wat Tha Hat installed in 1905 is C. 1, which is the first streamflow rating station ever built in this river.

Series of yearbook publications

The yearbook series in which the streamflow data had been published was issued as follows:

Volume	Water Years	No. of station - years	Date of Issuance
1	1912 - 1937	112	September 1976
2	1938 - 1947	103	September 1976
3	1948 - 1953	146	September 1976
4	1954 - 1956	178	September 1976
5	1957 - 1959	203	May 1974

Volume	Water Years	No. of station-years	Date of issuance
6	1960 - 1962	213	October 1973
7	1963 - 1964	182	July 1969
8	1965	113	May 1967
9	1966	129	June 1975
10	1967	172	September 1976
11	1968	187	September 1976
12	1969	182	March 1979
13	1970	182	March 1979
14	1971	182	June 1979
15	1972	184	October 1979
16	1973	187	January 1980
17	1974	191	May 1980
18	1975	182	August 1980
19	1976	184	November 1980
20	1977	192	February 1981
21	1978	210	May 1982
22	1979	237	July 1981
23	1980	231	August 1982
24	1981	213	November 1983
25	1982	224	June 1986
26	1983	236	October 1986

The preparation of the manuscripts of the further Volume is in progress. It is expected that they would be issued in serial order in the very near future.

STANDARD OF STREAMFLOW DATA PROCUREMENT

* * * * * * *

Network design

The location of stream gaging stations is primarily based upon the urgent need at various damsites which is accessible. By the time of expansion of the network at later date, the area or basin of "blind spot" is put at first priority backing up by the following conditions:

(a) Accessibility.

(b) Geographical location.

(c) Mean annual rainfall.

(d) Vegetation cover determined from Army Map Service topographic map with 1:50,000 or 1:250,000 scale.

(e) Basin soil type.

(f) Type of surface rock.

Field work

The minimum standard of basic hydrologic data for observations and measurements are equal to those recommended in the United Nations ECAFE Flood Control series No. 6.

Water stage data are obtained by staff gage and by water stage recorder. Normally a vertical section staff gage is installed for manual observation with usual frequency of reading varies from 1 to 5 times of equal interval during the daytime. At some specific station where streamflow measurement camps are situated, the reading of water stage by night is also made, in addition, usually 1 to 3 times of equal interval. The standard bench mark is also established near the gage site. The 1.00-m standard enamelled staff gage sections with 1 cm graduation are used with zero reading, in most cases, referred to Mean Sea Level (M.S.L.) Ko Lak datum, otherwise the assumed datum being used. Few wire-weight gages are also adopted on highway bridges.

In some mountainous headwater area as well as in the estuary, additional installation of water stage recorder is made. A continuous record of water stage is obtained at such station. The German A. Ott type X has so for been adopted as our standard equipment. Some pneumatic recorder is also being used. Weekly visit to the gage for inspection and changing chart paper by the crew or gage observer is under practice.

At the streamflow gaging station, flow measurement by a current meter is periodically performed so that the calibration of stream section related to flow can be made through the development of stage-flow relationship or simply called "rating curve". Two types of the streamflow gaging station are under operation: with and without crew camp. Those without crew camp are under moving team and are capable for flow measurements of several stations. Those with crew camp are subject to less accessibility.

At station operated by a moving crew, at least twice a month during the monsoon period and once a month during the low flow period are expected for flow rating performance. The moving crew frequently fails to reach the stations while at their crest stages because of road damage and time available. At station with crew camp, daily rating performance may be expected, at least once whenever change of stage per day is over 30 centimeters. Fixed boat by cableway across the river is one of typical means of flow measurement by current meter for medium river, 100 m wide. For wider river, the boat is fixed in position by anchors.

The river cross section is requested to be made simultaneously during flow velocity measurement, so that shifting of the section could be determined. This request is lawful because there had been in the older day fashion of using cross section made during dry season for discharge computation.

The German A. Ott current meter has so far been adopted as standard equipment. The multiple-point method has been used as velocity measurement practice. At present the two-point method is carefully practiced.

Office data processing

The standard techniques used overseas are adopted in processing the data. In fact the standard methods of U.S. Geological Survey and U.S. Department of Agriculture (for small streams) are adopted as general basis.

Development of rating curve - Yearly mean rating curve is generally used as a tool in determining the daily flow. Periodically developed rating is frequently used when dictated by the conditions, so that the shifting control could be eliminated or reduced. Zero flow elevation of the rating section is determined by trial and error method with logarithmic plotting of the rating curve. Extension of the logarithmic rating line is frequently used to determine the channel flow at the overbank flow stage. The overbank flow is assessed by either direct velocity measurement or slope-area method whenever applicable.

Determination of daily mean flow - Application of the adjusted daily mean gage height to rating table gives the corresponding daily mean discharge from which the monthly and the yearly mean discharges are computed. Shifting adjustment for observed gage height is made when necessary. Shifting design is made basing on flood stages and times, if any. Other adjustments such as back water, rise and fall of flood, etc., which necessitate the use of other parametric factors, are also made, if any.

At some gaging stations where rises and falls of floods are immediate, hourly basis of gage height application to the rating curve is used to determine daily mean discharge.

At stations where rises and falls of streams are gentle, gage height data are usually obtained by manual reading.

It has been found that application of 1 to 5 times average reading (for daytime) gives an error of daily mean flow not more than 15% for mountainous streams, less than 10% for larger valley streams and not more than 5% for lower deltaic streams. Most of mountainous and valley streams are under recording operation, only deltaic streams that daytime reading are still used.

The daily mean gage heights are obtained by arithmetic mean of the observed data available. Adjusted gage heights due to shifting, which are applicable to rating curve for daily mean

flow computation, are practically made.

It is noted that the daily mean flow are mostly subject to upstream diversion. Headwater utilization of water by people diversions and state-owned diversions are expected in many river basins in this country. Consequently, the virgin flow is hardly determined. Daily mean values may be replaced by the monthly mean in the case of flow measured at tailwaters of existing reservoirs.

Time basis used for daily mean flow is from midnight to midnight.

Review of procedure for streamflow data processing.

Following are steps used for review the overall data before finalizing the process:

1) Checking of gage height data which are obtained either from staff gage or from water stage recorder, for the following cases:

a) Representability of daytime observation for the daily mean value, if the data are from staff gage reading.

b) Discrepancies of recording charts, if any.

c) Desirability of hourly-basis process for daily mean flow.

d) Datums of gage observation and of the rating curve used.

e) Location of gage from which data are taken and location of gage at which the rating curve is developed.

2) Checking of availability and goodness of field measurement notes.

3) Checking of differential magnitude of gage height during discharge measurement as to which arithmetic average or weighted average is desirable.

4) Checking stability of rating curve used.

5) Review of shifting control sample and design shifting, if any.

6) Adjustment of backwater, flood wave, etc., by rate of change of falls as index, if any.

7) Overall review of daily mean flow data as an end product.

8) Checking consistency of runoff volume among those observed at the upstream and downstream stations, taking into account intervening diversions of flow, if any.

Classification of streamflow data

The station description states the degree of accuracy of the records. "Excellent" indicates that, in general, the error in the daily records is believed to be less than 5 percent; "good", less than 10 percent; "fair", less than 15 percent; "poor", probably more than 15 percent.

Future plan for computerization

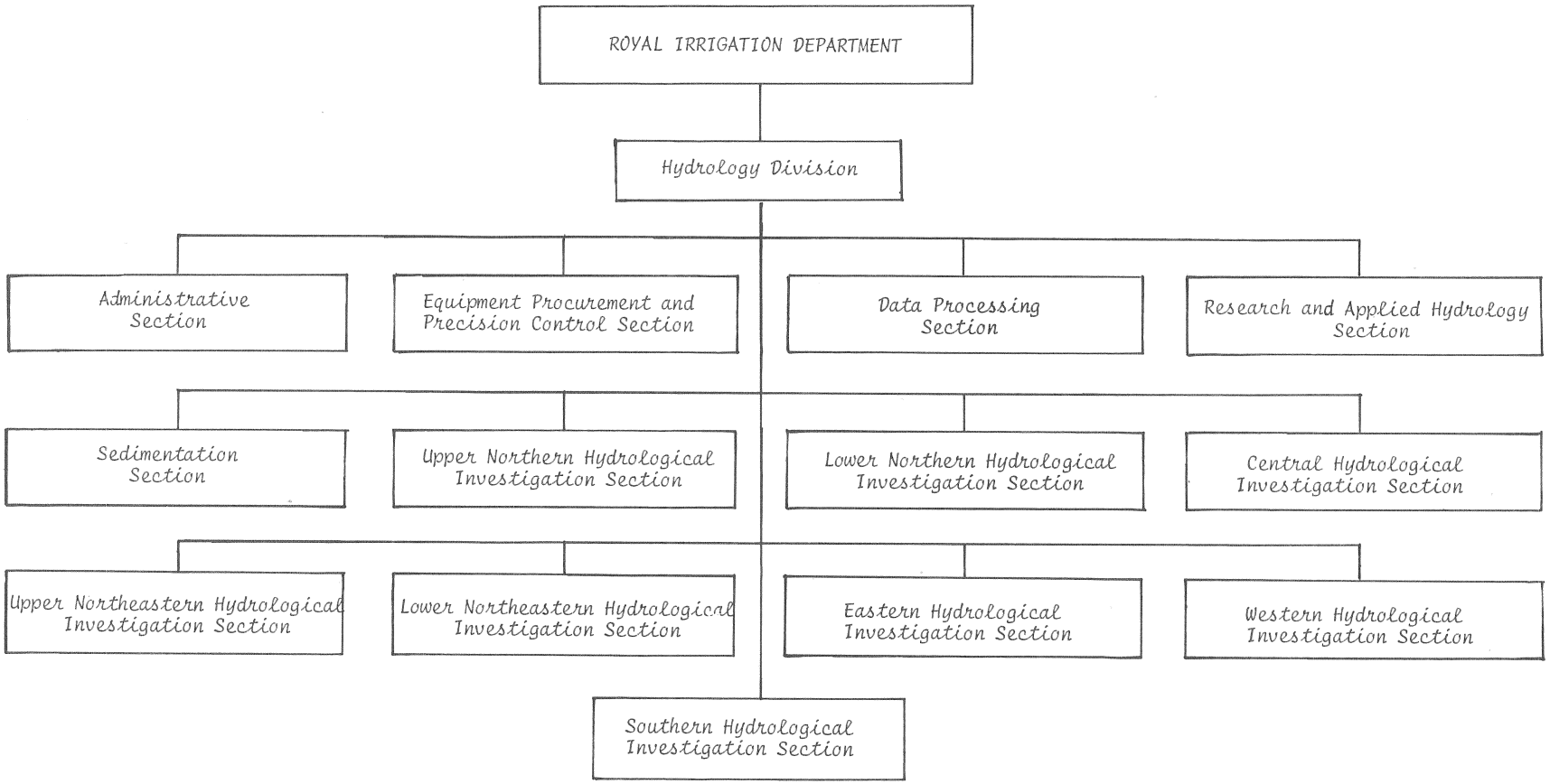
The Royal Irrigation Department (RID) has developed data system which includes computerization of storage, processing and retrieval of rainfall data since 1969. During the streamflow data system was being developed at RID in 1976, the National Economic and Social Development Board has made in agreement with the Asian Institute of Technology (AIT) to study on "Development of Water Resources Information System for Thailand". In the contract AIT will recommend a standardized procedure to various agencies for collecting and recording hydrometeorological and hydrological data and develop a computer based data storage and retrieval system to process, store, analyse and publish the data furnished by various agencies involved in data collection.

The Water Resources Information System for Thailand (WRIST) package has been designed to provide permanent computer media storage of hydrometeorological and hydrological data in such a form that it can be readily added to, altered or deleted and also called for analysis and presentation as required. The Indexed Sequencial Method has been used for mass storage of the data and the processing and storing system have been designed taking into consideration the data processing schemes followed by the agencies, the probable frequency of retrieval expected and also the order or grouping of data elements differently for different agencies so that the system is best suited and efficient in operation for the current requirements and anticipated uses by the agencies in Thailand. The system will process and store data agencywise. The system is also designed to allow for the inclusion of additional data types if the need arise in the future. IBM 370/145 Computer facility at the AIT Bangkok will be used to develop the WRIST package. Operating programs will be written in ANS COBOL language independent of machine hardware to facilitate machine to machine transferability of the package for medium scale computers. The system has the data retrieval facility in the form of monthly and yearly publication agencywise; raw data and analysed data either in the form of computer printouts or in the direct accessible forms like cards of tapes controlled by basin, sub-basin, region, station and data type. Data stored can also be available in the form of punched cards or punched card image on magnetic tapes so that they can be accessed by FORTRAN programs.

Organization

Streamflow data presented herein are from the hydrologic network operating by the Hydrology Division of the Royal Irrigation Department (RID). Field data collection and office data processing as well as yearbook publication are hydrologic activities undertaken by the Division.

The organization structure of the Division is diagrammatically shown below:-


ROYAL IRRIGATION DEPARTMENT
Hydrology Division
Administrative Section
Equipment Procurement and Precision Control Section
Data Processing Section
Research and Applied Hydrology Section
Sedimentation Section
Upper Northern Hydrological Investigation Section
Lower Northern Hydrological Investigation Section
Central Hydrological Investigation Section
Upper Northeastern Hydrological Investigation Section
Lower Northeastern Hydrological Investigation Section
Eastern Hydrological Investigation Section
Western Hydrological Investigation Section
Southern Hydrological Investigation Section

PARTICIPATION IN STREAM GAGING WORKS

* * * * * * * *

Among 22 water related government agencies, several of them operate streamflow gaging works according to their own purposes. In early 1949 the Hydrology Section was established in the Survey Division of the Royal Irrigation Department. The Section is responsible for its activity in hydrology as prerequisite for water resources development. The activity includes:

(1) Procurement of basic hydrologic data including precipitation, streamflow, sediment, evaporation, etc.

(2) Analyses and research to produce the facts governing the behavior of water, their occurrences, circulation and distribution in its varied forms, their properties and their interaction with other allied factors.

(3) Application to water resources development and management, utilizing basic data and the facts disclosed by analyses and research.

Just one year after the beginning of water storage work, in 1953 there were only 49 discharge stations and 114 stage stations as operated by the Hydrology Section. In February 1975 the Section was separated from the Survey Division and was raised the status to be the Hydrology Division of the Royal Irrigation Department. The present network of stream gaging works contains 221 discharge stations of which 147 are currently operated and 74 are previously calibrated with continuous stage observation while 145 were abandoned, and 315 stage stations are currently operated while 232 were abandoned.

After the onset of the Lower Mekong River Basin Development Scheme, the Hydrology Section was also established in the Investigation and Planning Division of the National Energy Administration which is a representative agency of Thai Government in the Lower Mekong Committee. During the period of November 1958 - May 1962, seven hydrologic stations were installed and operated by the Harza Engineering Company contracted by the Agency for International Development of the United States Government. At present the NEA operates about 90 discharge stations and 140 stage stations. A series of yearbooks has also been published.

The third agency which operates the stream gaging works is the Hydrometeorology Division of the Meteorological Department. With the technical and financial support from the World Meteorelogical Organization, this agency began the stream gaging works in 1967. Up till now, about 11 discharge stations and 32 stage stations are under operation. The stream gaging data are also included in their yearbook.

The last agency which operates the stream gaging works for the planning purpose is the Electricity Generating Authority of Thailand. They began to operate 15 discharge stations and 4 stage stations in 1971.

In addition, there are other agencies operating the stream gaging works for their own purposes such as watershed management and conservation program of the Royal Forestry Department. The Port Authority of Thailand carries on discharge measurement along the estuary of the Chao Phraya River for studying the sedimentation in the vicinity of the service area.

UNITS OF MEASURE AND CONVERSION FACTORS

The following factors may be used to convert the metric and Thai units published herein to the English units.

Multiply metric or Thai units	By	To obtain English units
	Length	
millimeters (mm)	.03973	inches (in)
meters (m)	39.37	inches (in)
	3.2808	feet (ft)
	1.0936	yards (yd)
	.1988	rods
kilometers (km)	.6214	miles (mi)
	Area	
square meters (m^2)	10.76	square feet (ft^2)
	1.196	square yards (yd^2)
	2.47×10^{-4}	acres
rai (1,600 m^2-Thai)	.3952	acres
hectares (ha)	2.4709	acres
square hectometers (hm^2)	2.4709	acres
square kilometers (km^2)	247.1	acres
	.3861	square miles (mi^2)
	Volume	
liters (l)	.2642	gallons (gal)
cubic decimeters (dm^3)	.2642	gallons (gal)
	.03531	cubic feet (ft^3)
cubic meters (m^3)	264.2	gallons (gal)
	2.642×10^{-4}	million gallons (10^6 gal)
	35.31	cubic feet (ft^3)
	4.086×10^{-4}	cfs-day (ft^3/s-day)
	8.11×10^{-4}	acre-feet (acre-ft)
cubic hectometers (hm^3)	264.2	million gallons (10^6 gal)
	408.6	cfs-day (ft^3/s-day)
	811	acre-feet (acre-ft)
million cubic meters (mcm)	811	acre-feet (acre-ft)
cubic kilometers (km^3)	811×10^3	acre-feet (acre-ft)
	Flow	
liters per second (l/s)	.03531	cubic feet per second (ft^3/s)
	15.85	gallons per minute (gpm)
cubic decimeters per second (dm^3/s)	.03531	cubic feet per second (ft^3/s)
	15.85	gallons per minute (gpm)
	22.82×10^{-3}	million gallons per day(mgd)

Multiply metric or Thai units	By	To obtain English units
	Flow (Cont.)	
cubic meters per second (m^3/s)	35.31	cubic feet per second (ft^3/s)
	15,850	gallons per minute (gpm)
	22.82	million gallons per day(mgd)

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Stream Gaging Data

Water Year 1983

WATER YEAR 1983

PING RIVER BASIN

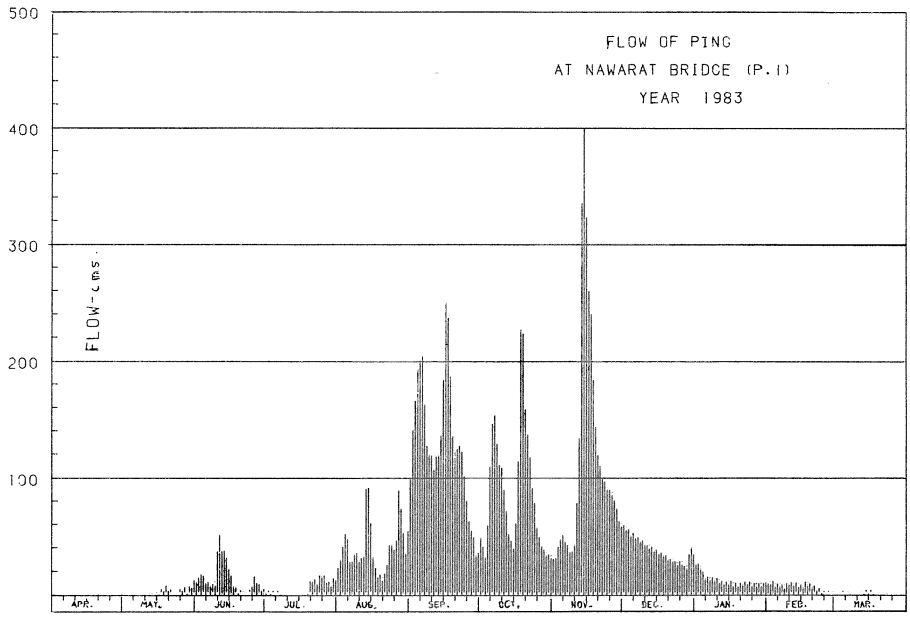
PING RIVER AT CHIANG MAI, CHIANG MAI (P.1)

LOCATION	LAT. 18°-47'-09" N., LONG. 99°-00'-29" E., ON LEFT BANK ABOUT 100 METERS DOWNSTREAM FROM NAWARAT BRIDGE, AMPHOE MUANG, CHIANG MAI.
DRAINAGE AREA	6,355 SQ.KM.
TYPE OF GAGE	WATER-STAGE RECORDER.
ZERO GAGE AT BOTTOM	+300.500 M.(M.S.L.)
BENCH MARK	B.M.-H.D.
LOCATION	ON LEFT BANK NEAR AUTOMATIC GAGE BUILDING.
ELEVATION	+305.31 M. (M.S.L.)
GAGE READING FREQUENCY	RECORDING.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 24 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1921 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1954-1960, 1967 TO DATE.
RATED BY FLOAT	1936-1938
RATED BY CURRENT METER	1954-1960, 1967 TO DATE.
STABILITY OF CHANNEL REGIMES	STABLE.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS GOOD. UPSTREAM STATE DIVERSIONS FOR IRRIGATION ABOUT 11,200 HECTARES AT MAE FAEK WEIR. STAGE-DISCHARGE RELATION DEFINED BY 57 DISCHARGE MEASUREMENTS MADE IN 1983.

GAGE HEIGHT IN METER (MSL), WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	300.94	300.85	301.46	301.23	301.58	302.21	301.82	301.66	301.87	301.64	301.37	301.19	
2	300.93	300.84	301.47	301.22	301.68	302.68	301.75	301.69	301.86	301.62	301.41	301.17	
3	300.91	300.82	301.55	301.23	301.75	302.97	301.70	301.75	301.85	301.60	301.42	301.18	
4	300.89	300.82	301.50	301.21	301.84	303.19	301.87	301.81	301.83	301.54	301.37	301.20	
5	300.88	300.81	301.43	301.20	301.80	303.28	302.34	301.82	301.83	301.49	301.37	301.20	
6	300.89	300.80	301.41	301.21	301.66	303.29	302.74	301.80	301.82	301.48	301.37	301.18	
7	300.89	300.81	301.39	301.17	301.64	302.94	302.85	301.76	301.81	301.47	301.35	301.18	
8	300.91	300.85	301.37	301.12	301.72	302.53	302.55	301.73	301.80	301.47	301.34	301.17	
9	300.91	300.84	301.41	301.08	301.71	302.47	302.37	301.72	301.79	301.46	301.37	301.17	
10	300.92	300.87	301.72	301.06	301.67	302.43	302.30	301.78	301.78	301.46	301.41	301.16	
11	300.91	300.97	301.84	301.03	301.67	302.31	302.08	301.96	301.76	301.44	301.40	301.17	
12	300.91	301.05	301.72	301.02	301.71	302.42	301.93	302.63	301.76	301.42	301.39	301.19	
13	300.91	301.10	301.75	301.01	302.05	302.46	301.84	304.22	301.75	301.42	301.39	301.23	
14	300.90	301.10	301.67	301.01	302.11	302.63	301.79	304.63	301.74	301.41	301.37	301.23	
15	300.89	301.15	301.60	301.02	301.88	303.13	301.76	304.14	301.73	301.42	301.35	301.23	
16	300.87	301.22	301.50	301.02	301.70	303.64	301.88	303.73	301.72	301.42	301.35	301.23	
17	300.85	301.26	301.38	301.04	301.58	303.57	302.40	303.57	301.71	301.40	301.41	301.22	
18	300.84	301.30	301.30	301.06	301.52	303.14	303.47	303.13	301.71	301.39	301.40	301.16	
19	300.87	301.34	301.25	301.20	301.51	302.65	303.47	302.71	301.69	301.39	301.37	301.14	
20	300.88	301.31	301.23	301.42	301.48	302.47	302.87	302.47	301.68	301.39	301.34	301.12	
21	300.88	301.25	301.20	301.46	301.52	302.53	302.67	302.32	301.66	301.41	301.33	301.11	
22	300.88	301.19	301.19	301.45	301.64	302.53	302.41	302.22	301.66	301.41	301.29	301.10	
23	300.84	301.17	301.16	301.43	301.76	302.51	302.10	302.14	301.64	301.41	301.27	301.09	
24	300.82	301.18	301.24	301.50	301.78	302.21	301.96	302.07	301.63	301.41	301.24	301.06	
25	300.79	301.26	301.39	301.52	301.73	301.98	301.87	302.03	301.64	301.39	301.20	301.02	
26	300.78	301.31	301.49	301.50	301.81	301.89	301.81	302.00	301.64	301.38	301.20	301.00	
27	300.81	301.30	301.45	301.45	302.02	301.86	301.77	301.97	301.60	301.38	301.20	300.99	
28	300.85	301.24	301.37	301.41	301.95	301.81	301.73	301.95	301.60	301.38	301.20	300.98	
29	300.88	301.32	301.31	301.40	301.83	301.71	301.71	301.89	301.70	301.38	301.20	300.99	
30	300.87	301.37	301.26	301.46	301.72	301.71	301.70	301.88	301.76	301.38		300.99	
31		301.43		301.49	301.84		301.69		301.70	301.44		300.98	
MEAN	300.88	301.10	301.43	301.25	301.74	302.57	302.17	302.37	301.73	301.44	301.33	301.13	
MAX	300.94	301.43	301.84	301.52	302.11	303.64	303.47	304.63	301.87	301.64	301.42	301.23	304.63
MIN	300.78	300.80	301.16	301.01	301.48	301.71	301.69	301.66	301.60	301.38	301.20	300.98	300.78

ANNUAL MAX MOMENTARY GAGE HEIGHT 304.65 M (MSL), AT 12.00 HOURS, ON NOV 14, 1983
ZERO GAGE AT BOTTOM ELEVATION 300.50 M (MSL), RIVER BED 299.51 M (MSL)
LEFT BANK ELEVATION 307.80 M (MSL)
RIGHT BANK ELEVATION 307.69 M (MSL), DRAINAGE AREA 6355 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.85	0.63	14.60	4.55	23.40	101.80	51.40	31.00	59.90	29.00	9.80	3.35	
2	0.82	0.60	15.20	4.20	33.00	141.20	41.50	34.00	58.20	27.00	11.60	3.05	
3	0.78	0.55	21.00	4.55	41.50	169.35	35.00	41.50	56.50	25.00	12.20	3.20	
4	0.73	0.55	17.00	3.85	54.80	193.35	59.90	49.70	53.10	20.20	9.80	3.50	
5	0.70	0.52	12.80	3.50	48.00	203.70	112.20	51.40	53.10	16.40	9.80	3.50	
6	0.73	0.50	11.60	3.85	31.00	204.85	146.60	48.00	51.40	15.80	9.80	3.20	
7	0.73	0.52	10.60	3.05	29.00	166.20	157.00	42.80	49.70	15.20	9.00	3.20	
8	0.78	0.63	9.80	2.30	37.60	127.70	129.50	38.90	48.00	15.20	8.60	3.05	
9	0.78	0.60	11.60	1.80	36.30	122.60	114.60	37.60	46.70	14.60	9.80	3.05	
10	0.80	0.67	37.60	1.60	32.00	119.40	109.00	45.40	45.40	14.60	11.60	2.90	
11	0.78	0.93	54.80	1.30	32.00	109.80	93.20	78.80	42.80	13.40	11.00	3.05	
12	0.78	1.50	37.60	1.20	36.30	118.60	71.90	136.70	42.80	12.20	10.60	3.35	
13	0.78	2.00	41.50	1.10	91.25	121.80	54.80	336.10	41.50	12.20	10.60	4.55	
14	0.75	2.00	32.00	1.10	95.15	136.70	46.70	402.45	40.20	11.60	9.80	4.55	
15	0.73	2.75	25.00	1.20	61.60	186.45	42.80	323.70	38.90	12.20	9.00	4.55	
16	0.67	4.20	17.00	1.20	35.00	250.60	61.60	263.20	37.60	12.20	9.00	4.55	
17	0.63	5.60	10.20	1.40	23.40	240.80	117.00	240.80	36.30	11.00	11.60	4.20	
18	0.60	7.00	7.00	1.60	18.60	187.60	227.25	186.45	36.30	10.60	11.00	2.90	
19	0.67	8.60	5.25	3.50	17.80	138.50	227.25	143.90	34.00	10.60	9.80	2.60	
20	0.70	7.40	4.55	12.20	15.80	122.60	159.00	122.60	33.00	10.60	8.60	2.30	
21	0.70	5.25	3.50	14.60	18.60	127.70	140.30	110.60	31.00	11.60	8.20	2.15	
22	0.70	3.35	3.35	14.00	29.00	127.70	117.80	102.60	31.00	11.60	6.65	2.00	
23	0.60	3.05	2.90	12.80	42.80	125.90	94.50	97.10	29.00	11.60	5.95	1.90	
24	0.55	3.20	4.90	17.00	45.40	101.80	78.80	92.55	28.00	11.60	4.90	1.60	
25	0.48	5.60	10.60	18.60	38.90	83.40	59.90	89.95	29.00	10.60	3.50	1.20	
26	0.45	7.40	16.40	17.00	49.70	63.30	49.70	88.00	29.00	10.20	3.50	1.00	
27	0.52	7.00	14.00	14.00	89.30	58.20	44.10	81.10	25.00	10.20	3.50	0.97	
28	0.63	4.90	9.80	11.60	76.50	49.70	38.90	76.50	25.00	10.20	3.50	0.95	
29	0.70	7.80	7.40	11.00	53.10	36.30	36.30	63.30	35.00	10.20	3.50	0.97	
30	0.67	9.80	5.60	14.60	37.60	36.30	35.00	61.60	42.80	10.20		0.97	
31		12.80		16.40	54.80		34.00		35.00	13.40		0.95	
TOTAL	20.79	117.90	475.15	220.65	1329.20	3973.90	2787.50	3518.30	1245.20	431.00	246.20	83.26	14449.05 CMSDAY
MEAN	0.69	3.80	15.84	7.12	42.88	132.46	89.92	117.28	40.17	13.90	8.49	2.69	39.48 CMS
MAX	0.85	12.80	54.80	18.60	95.15	250.60	227.25	402.45	59.90	29.00	12.20	4.55	402.45 CMS
MIN	0.45	0.50	2.90	1.10	15.80	36.30	34.00	31.00	25.00	10.20	3.50	0.95	0.45 CMS
RUNOFF	1.796	10.187	41.053	19.064	114.843	343.345	240.840	303.981	107.585	37.238	21.272	7.194	1248.398 MCM

MOMENTARY PEAK 405.75 CMS, AT 304.65 M (MSL), AT 12.00 HOURS, ON NOV 14, 1983
RUNOFF YIELD 6.21 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 63.85 LITERS/SECOND/SQUARE KM

WATER YEAR 1983

PING RIVER BASIN

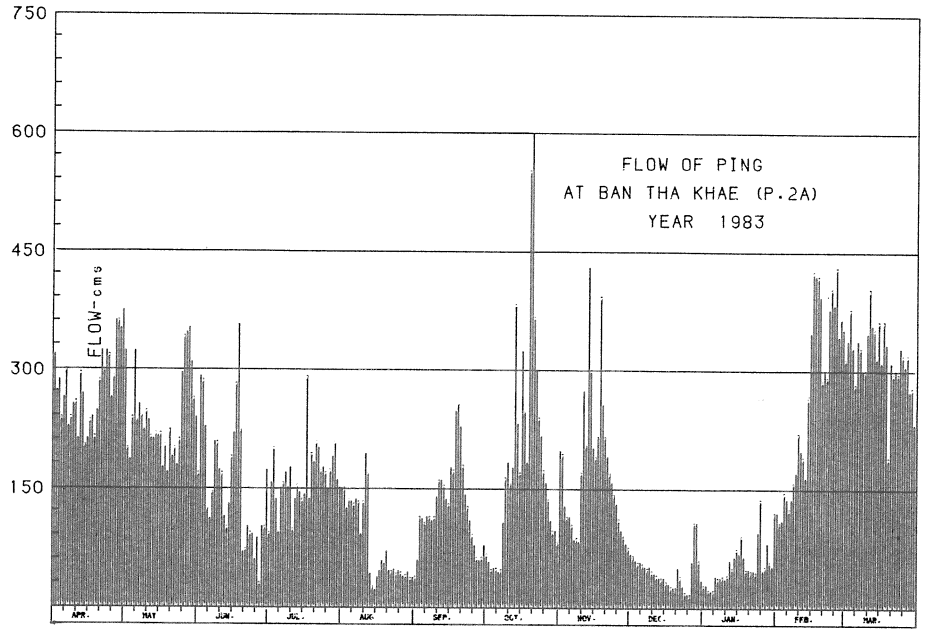
PING RIVER AT BAN THA KHAE, TAK (P.2A)

LOCATION	LAT. 16°-51'-14" N., LONG. 99°-07'-50" E., ON RIGHT BANK ABOUT 200 METERS DOWNSTREAM FROM KITTIKHACHON I BRIDGE, BAN THA KHAE, AMPHOE MUANG, TAK.
DRAINAGE AREA	38,862 SQ.KM.
TYPE OF GAGE	WATER-STAGE RECORDER.
ZERO GAGE AT BOTTOM	+104.00 M. (M.S.L.)
BENCH MARK	B.M.-H.D.
LOCATION	NEAR AUTOMATIC GAGE BUILDING.
ELEVATION	+115.321 M. (M.S.L.)
GAGE READING FREQUENCY	RECORDING.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 24 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1952 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1952-1960, 1963-1967, 1971 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1952-1960, 1963-1967, 1971 TO DATE.
STABILITY OF CHANNEL REGIMES	STABLE.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS FAIR. FLOW REGULATED BY PHUMIPHOL DAM RESERVOIR SINCE 1964. UPSTREAM STATE DIVERSIONS FOR IRRIGATION ABOUT 40,300 HECTARES. STAGE-DISCHARGE RELATION DEFINED BY 53 DISCHARGE MEASUREMENTS MADE IN 1983.

GAGE HEIGHT IN METER (MSL), WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	105.73	105.74	105.36	105.09	105.30	104.82	104.97	105.44	104.97	104.75	105.19	105.72	
2	105.63	105.45	105.67	105.32	105.30	104.93	104.92	105.43	104.96	104.75	105.14	105.77	
3	105.66	105.41	105.66	105.45	105.21	105.17	104.87	105.22	104.93	104.71	105.15	105.85	
4	105.55	105.55	105.52	105.25	105.25	105.16	104.88	105.17	104.92	104.70	105.28	105.75	
5	105.61	105.74	105.21	105.10	105.24	105.14	104.88	105.17	104.92	104.71	105.25	105.65	
6	105.69	105.54	105.16	105.30	105.23	105.17	104.85	105.13	104.91	104.82	105.21	105.77	
7	105.52	105.59	105.28	105.32	105.25	105.17	104.87	105.05	104.89	104.81	105.25	105.75	
8	105.55	105.56	105.47	105.36	105.24	105.15	105.14	105.06	104.88	104.81	105.32	105.69	
9	105.59	105.51	105.47	105.31	105.08	105.17	105.34	105.04	104.89	104.82	105.36	105.69	
10	105.60	105.57	105.37	105.38	105.24	105.26	105.40	105.36	104.86	104.80	105.50	105.79	
11	105.48	105.54	105.36	105.11	105.43	105.33	105.32	105.63	104.84	104.83	105.44	105.90	
12	105.68	105.49	105.17	105.25	105.36	105.33	105.38	105.46	104.83	104.93	105.42	105.81	
13	105.62	105.48	105.12	105.31	104.84	105.31	105.86	105.95	104.81	104.88	105.34	105.80	
14	105.46	105.50	105.23	105.28	104.74	105.25	105.53	105.69	104.81	104.95	105.61	105.72	
15	105.48	105.49	105.42	105.25	104.71	105.23	105.36	105.45	104.81	105.00	105.79	105.82	
16	105.54	105.50	105.50	105.27	104.83	105.38	105.74	105.42	104.78	104.97	105.94	105.71	
17	105.55	105.38	105.65	105.67	104.86	105.37	105.57	105.49	104.76	105.07	105.93	105.82	
18	105.49	105.46	105.81	105.25	104.94	105.57	105.40	105.88	104.74	104.95	105.93	105.76	
19	105.57	105.36	105.51	105.43	104.91	105.60	106.17	105.59	104.73	104.87	105.88	105.42	
20	105.66	105.51	104.98	105.40	105.00	105.52	106.25	105.49	104.73	104.87	105.66	105.71	
21	105.74	105.42	105.00	105.47	104.86	105.39	105.83	105.42	104.88	104.86	105.69	105.68	
22	105.69	105.45	105.12	105.45	104.86	105.27	105.69	105.36	104.82	104.86	105.67	105.69	
23	105.74	105.39	105.09	105.37	104.87	105.22	105.55	105.32	104.74	104.85	105.85	105.68	
24	105.73	105.48	105.08	105.38	104.84	105.15	105.49	105.27	104.69	105.09	105.90	105.75	
25	105.61	105.68	104.95	105.36	104.86	105.08	105.37	105.23	104.67	105.25	105.86	105.73	
26	105.67	105.78	105.06	105.29	104.85	105.02	105.32	105.16	104.67	104.86	105.95	105.70	
27	105.82	105.79	104.77	105.37	104.82	104.95	105.25	105.10	104.92	104.89	105.78	105.73	
28	105.82	105.81	105.12	105.42	104.83	104.93	105.15	105.07	105.14	105.03	105.83	105.63	
29	105.80	105.71	105.12	105.47	104.85	104.95	105.10	105.03	105.14	104.92	105.80	105.64	
30	105.85	105.61	105.37	105.33	104.81	105.02	105.10	105.01	104.93	104.89		105.53	
31		105.55		105.30	104.81		105.04		104.79	105.19		105.58	
MEAN	105.64	105.55	105.29	105.33	105.01	105.20	105.34	105.34	104.85	104.89	105.58	105.72	
MAX	105.85	105.81	105.81	105.67	105.43	105.60	106.25	105.95	105.14	105.25	105.95	105.90	106.25
MIN	105.46	105.36	104.77	105.09	104.71	104.82	104.85	105.01	104.67	104.70	105.14	105.42	104.67

ANNUAL MAX MOMENTARY GAGE HEIGHT 106.50 M (MSL), AT 19.00 HOURS, ON OCT 19, 1983
ZERO GAGE AT BOTTOM ELEVATION 104.00 M (MSL), RIVER BED 103.57 M (MSL)
LEFT BANK ELEVATION 109.85 M (MSL)
RIGHT BANK ELEVATION 110.98 M (MSL), DRAINAGE AREA 38862 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	319.10	323.80	170.20	94.70	151.00	39.50	67.85	197.80	67.85	28.50	119.50	314.40	
2	273.50	201.50	291.50	157.40	151.00	59.65	57.60	194.10	65.80	28.50	107.00	337.90	
3	287.00	186.70	287.00	201.50	124.90	114.50	48.25	127.80	59.65	22.50	109.50	377.50	
4	240.00	240.00	228.00	136.50	136.50	112.00	50.00	114.50	57.60	21.00	145.20	328.50	
5	264.50	323.80	124.90	97.00	133.60	107.00	50.00	114.50	57.60	22.50	136.50	282.50	
6	300.50	236.00	112.00	151.00	130.70	114.50	44.75	104.50	55.55	39.50	124.90	337.90	
7	228.00	256.00	145.20	157.40	136.50	114.50	48.25	85.50	51.75	37.75	136.50	328.50	
8	240.00	244.00	208.90	170.20	133.60	109.50	107.00	87.80	50.00	37.75	157.40	300.50	
9	256.00	224.00	208.90	154.20	92.40	114.50	163.80	83.20	51.75	39.50	170.20	300.50	
10	260.00	248.00	173.40	176.60	133.60	139.40	183.00	170.20	46.50	36.00	220.00	347.30	
11	212.60	236.00	170.20	99.50	194.10	160.60	157.40	273.50	43.00	41.25	197.80	403.00	
12	296.00	216.30	114.50	136.50	170.20	160.60	176.60	205.20	41.25	59.65	190.40	357.10	
13	269.00	212.60	102.00	154.20	43.00	154.20	382.60	430.25	37.75	50.00	163.80	352.00	
14	205.20	220.00	130.70	145.20	27.00	136.50	232.00	300.50	37.75	63.75	264.50	314.40	
15	212.60	216.30	190.40	136.50	22.50	130.70	170.20	201.50	37.75	74.00	347.30	362.20	
16	236.00	220.00	220.00	142.30	41.25	176.60	323.80	190.40	33.00	67.85	424.80	309.70	
17	240.00	176.60	282.50	291.50	46.50	173.40	248.00	216.30	30.00	90.10	419.35	362.20	
18	216.30	205.20	357.10	136.50	61.70	248.00	183.00	392.80	27.00	63.75	419.35	333.20	
19	248.00	170.20	224.00	194.10	55.55	260.00	552.60	256.00	25.50	48.25	392.80	190.40	
20	287.00	224.00	69.90	183.00	74.00	228.00	599.50	216.30	25.50	48.25	287.00	309.70	
21	323.80	190.40	74.00	208.90	46.50	179.80	367.30	190.40	50.00	46.50	300.50	296.00	
22	300.50	201.50	102.00	201.50	46.50	142.30	300.50	170.20	39.50	46.50	291.50	300.50	
23	323.80	179.80	94.70	173.40	48.25	127.80	240.00	157.40	27.00	44.75	377.50	296.00	
24	319.10	212.60	92.40	176.60	43.00	109.50	216.30	142.30	19.75	94.70	403.00	328.50	
25	264.50	296.00	63.75	170.20	46.50	92.40	173.40	130.70	17.25	136.50	382.60	319.10	
26	291.50	342.60	87.80	148.10	44.75	78.60	157.40	112.00	17.25	46.50	430.25	305.00	
27	362.20	347.30	31.50	173.40	39.50	63.75	136.50	97.00	57.60	51.75	342.60	319.10	
28	362.20	357.10	102.00	190.40	41.25	59.65	109.50	90.10	107.00	80.90	367.30	273.50	
29	352.00	309.70	102.00	208.90	44.75	63.75	97.00	80.90	107.00	57.60	352.00	278.00	
30	377.50	264.50	173.40	160.60	37.75	78.60	97.00	76.30	59.65	51.75		232.00	
31		240.00		151.00	37.75		83.20		34.50	119.50		252.00	
TOTAL	8368.40	7522.50	4734.85	5078.80	2536.10	3849.80	5824.30	5209.95	1439.05	1697.30	7781.05	9749.10	63791.21 CMSDAY
MEAN	278.95	242.66	157.83	163.83	81.81	128.33	187.88	173.66	46.42	54.75	268.31	314.49	174.29 CMS
MAX	377.50	357.10	357.10	291.50	194.10	260.00	599.50	430.25	107.00	136.50	430.25	403.00	599.50 CMS
MIN	205.20	170.20	31.50	94.70	22.50	39.50	44.75	76.30	17.25	21.00	107.00	190.40	17.25 CMS
RUNOFF	723.030	649.944	409.091	438.808	219.119	332.623	503.220	450.140	124.334	146.647	672.283	842.322	5511.561 MCM

MOMENTARY PEAK 753.00 CMS, AT 106.50 M (MSL), AT 19.00 HOURS, ON OCT 19, 1983

RUNOFF YIELD 4.48 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 19.38 LITERS/SECOND/SQUARE KM

WATER YEAR 1983

PING RIVER BASIN

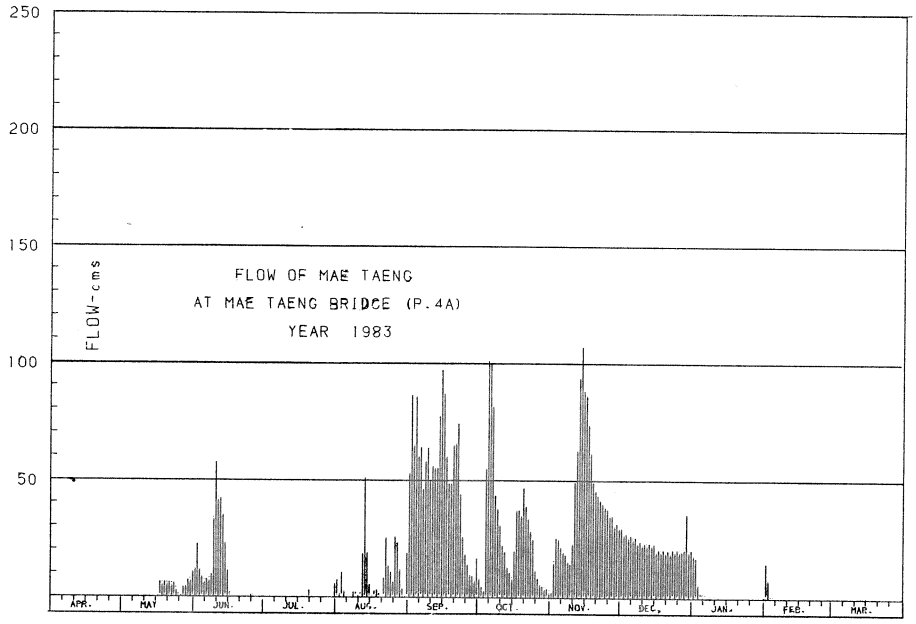
MAE TAENG RIVER AT MAE TAENG, CHIANG MAI (P.4A)

LOCATION	LAT. 19°-07'-15" N., LONG. 98°-56'-51" E., ON RIGHT BANK AT THE BRIDGE OF CHIANG MAI-FANG HIGHWAY, AMPHOE MAE TAENG, CHIANG MAI.
DRAINAGE AREA	1,902 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM	+333.745 M. (M.S.L.)
BENCH MARK	B.M.-H.D.
LOCATION	IN THE VICINITY OF AMPHOE MAE TAENG OFFICE.
ELEVATION	+338.736 M. (M.S.L.)
GAGE READING FREQUENCY	5-TIME DAILY READINGS AT 06.00, 09.00, 12.00, 15.00 AND 18.00 HOURS.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 5 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1955 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1955-1960, 1967 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1955-1960, 1967 TO DATE.
STABILITY OF CHANNEL REGIMES	STABLE.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS FAIR. UPSTREAM STATE DIVERSIONS FOR IRRIGATION ABOUT 23,700 HECTARES AT MAE TAENG WIER. STAGE-DISCHARGE RELATION DEFINED BY 38 DISCHARGE MEASUREMENTS MADE IN 1983.

GAGE HEIGHT IN METER (MSL), WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	334.67	334.64	335.50	334.74	335.27	336.54	335.35	334.94	335.99	335.70	335.56	334.68	
2	334.67	334.64	335.80	334.75	334.98	337.12	335.12	335.59	335.94	335.63	335.34	334.68	
3	334.66	334.64	335.49	334.75	335.41	336.77	335.09	335.88	335.93	335.24	334.81	334.68	
4	334.66	334.64	335.32	334.75	335.07	337.11	336.56	335.89	335.92	334.94	334.80	334.68	
5	334.66	334.64	335.27	334.74	334.80	336.69	337.37	335.77	335.91	334.92	334.79	334.68	
6	334.66	334.64	335.28	334.74	334.78	336.74	337.34	335.74	335.89	334.89	334.78	334.68	
7	334.66	334.64	335.30	334.72	334.77	336.41	337.06	335.67	335.89	334.87	334.78	334.68	
8	334.66	334.63	335.37	334.70	335.04	336.62	336.32	335.61	335.84	334.84	334.77	334.67	
9	334.66	334.63	336.10	334.69	334.94	336.76	336.22	335.54	335.84	334.84	334.76	334.67	
10	334.66	334.62	336.61	334.69	334.95	336.45	336.02	335.83	335.83	334.84	334.75	334.68	
11	334.66	334.62	336.30	334.69	334.92	336.60	335.82	336.44	335.82	334.83	334.75	334.68	
12	334.66	334.62	336.29	334.69	335.73	336.56	335.71	336.73	335.82	334.83	334.75	334.69	
13	334.66	334.63	336.15	334.69	336.48	336.59	335.53	337.24	335.82	334.83	334.76	334.69	
14	334.65	334.64	335.81	334.69	335.73	336.97	335.41	337.46	335.82	334.82	334.76	334.69	
15	334.65	334.65	335.48	334.68	335.18	337.31	335.34	337.15	335.81	334.82	334.75	334.69	
16	334.65	334.81	334.92	334.68	334.92	337.13	335.72	337.14	335.74	334.82	334.75	334.68	
17	334.65	335.22	334.85	334.68	334.99	336.68	336.20	336.91	335.74	334.82	334.74	334.68	
18	334.65	335.22	334.80	334.69	335.14	336.43	336.18	336.71	335.74	334.82	334.74	334.68	
19	334.65	335.22	334.79	334.71	334.90	336.46	336.15	336.44	335.74	334.82	334.74	334.68	
20	334.65	335.21	334.78	335.01	334.85	336.75	336.39	336.39	335.74	334.81	334.74	334.68	
21	334.65	335.21	334.78	334.79	335.31	336.79	336.24	336.32	335.73	334.80	334.74	334.68	
22	334.65	335.20	334.76	334.73	335.91	336.92	336.09	336.30	335.72	334.79	334.69	334.68	
23	334.65	335.19	334.75	334.71	335.51	336.36	335.98	336.24	335.74	334.78	334.69	334.67	
24	334.65	335.10	334.78	334.72	335.45	335.89	335.86	336.24	335.74	334.78	334.69	334.67	
25	334.65	334.86	334.95	334.72	335.23	335.72	335.48	336.19	335.74	334.78	334.69	334.66	
26	334.65	334.72	334.82	334.73	335.93	335.53	335.31	336.14	335.74	334.77	334.69	334.66	
27	334.65	335.10	334.78	334.73	335.82	335.41	335.23	336.12	335.72	334.77	334.69	334.66	
28	334.65	335.20	334.78	334.72	335.49	335.35	335.14	336.04	335.78	334.77	334.69	334.66	
29	334.65	335.26	334.76	334.70	335.06	335.30	335.13	336.04	336.14	334.77	334.69	334.66	
30	334.64	335.29	334.75	334.71	334.89	335.62	335.08	336.02	335.74	334.77		334.66	
31		335.41		335.25	335.69		335.03		335.74	334.89		334.66	
MEAN	334.65	334.89	335.27	334.74	335.26	336.45	335.85	336.22	335.82	334.89	334.79	334.68	
MAX	334.67	335.41	336.61	335.25	336.48	337.31	337.37	337.46	336.14	335.70	335.56	334.69	337.46
MIN	334.64	334.62	334.75	334.68	334.77	335.30	335.03	334.94	335.72	334.77	334.69	334.66	334.62

ANNUAL MAX MOMENTARY GAGE HEIGHT 337.54 M (MSL), AT 9.00 HOURS, ON NOV 14, 1983
ZERO GAGE AT BOTTOM ELEVATION 333.74 M (MSL), RIVER BED 334.64 M (MSL)
LEFT BANK ELEVATION 339.83 M (MSL)
RIGHT BANK ELEVATION 339.82 M (MSL), DRAINAGE AREA 1902 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.21	0.12	13.15	0.54	7.37	54.00	9.15	2.14	29.61	19.10	14.86	0.24	
2	0.21	0.12	22.50	0.60	2.58	86.20	4.46	15.71	27.66	16.93	8.92	0.24	
3	0.18	0.12	12.86	0.60	10.59	65.85	3.97	25.38	27.27	6.74	0.98	0.24	
4	0.18	0.12	8.46	0.60	3.71	85.60	55.00	25.74	26.88	2.14	0.90	0.24	
5	0.18	0.12	7.37	0.54	0.90	61.50	102.05	21.48	26.49	1.92	0.84	0.24	
6	0.18	0.12	7.58	0.54	0.78	64.20	100.10	20.46	25.74	1.62	0.78	0.24	
7	0.18	0.12	8.00	0.42	0.72	47.59	82.60	18.17	25.74	1.46	0.78	0.24	
8	0.18	0.09	9.61	0.30	3.32	58.00	43.42	16.31	23.94	1.22	0.72	0.21	
9	0.18	0.09	33.90	0.27	2.14	65.30	38.98	14.29	23.94	1.22	0.66	0.21	
10	0.18	0.06	57.50	0.27	2.25	49.55	30.78	23.58	23.58	1.22	0.60	0.24	
11	0.18	0.06	42.50	0.27	1.92	57.00	23.22	49.06	23.22	1.14	0.60	0.24	
12	0.18	0.06	42.06	0.27	20.12	55.00	19.44	63.65	23.22	1.14	0.60	0.27	
13	0.18	0.09	36.00	0.27	51.02	56.50	14.00	93.60	23.22	1.14	0.66	0.27	
14	0.15	0.12	22.86	0.27	20.12	77.20	10.59	108.20	23.22	1.06	0.66	0.27	
15	0.15	0.15	12.58	0.24	5.54	98.15	8.92	88.00	22.86	1.06	0.60	0.27	
16	0.15	0.98	1.92	0.24	1.92	86.80	19.78	87.40	20.46	1.06	0.60	0.24	
17	0.15	6.32	1.30	0.24	2.69	61.00	38.10	73.60	20.46	1.06	0.54	0.24	
18	0.15	6.32	0.90	0.27	4.82	48.57	37.26	62.55	20.46	1.06	0.54	0.24	
19	0.15	6.32	0.84	0.36	1.70	50.04	36.00	49.06	20.46	1.06	0.54	0.24	
20	0.15	6.11	0.78	2.93	1.30	64.75	46.64	46.64	20.46	0.98	0.54	0.24	
21	0.15	6.11	0.78	0.84	8.23	66.95	39.86	43.42	20.12	0.90	0.54	0.24	
22	0.15	5.90	0.66	0.48	26.49	74.20	33.51	42.50	19.78	0.84	0.27	0.24	
23	0.15	5.72	0.60	0.36	13.43	45.26	29.22	39.86	20.46	0.78	0.27	0.21	
24	0.15	4.10	0.78	0.42	11.72	25.74	24.66	39.86	20.46	0.78	0.27	0.21	
25	0.15	1.38	2.25	0.42	6.53	19.78	12.58	37.68	20.46	0.78	0.27	0.18	
26	0.15	0.42	1.06	0.48	27.27	14.00	8.23	35.58	20.46	0.72	0.27	0.18	
27	0.15	4.10	0.78	0.48	23.22	10.59	6.53	34.74	19.78	0.72	0.27	0.18	
28	0.15	5.90	0.78	0.42	12.86	9.15	4.82	31.56	21.82	0.72	0.27	0.18	
29	0.15	7.16	0.66	0.30	3.58	8.00	4.64	31.56	35.58	0.72	0.27	0.18	
30	0.12	7.79	0.60	0.36	1.62	16.62	3.84	30.78	20.46	0.72		0.18	
31		10.59		6.95	18.79		3.19		20.46	1.62		0.18	
TOTAL	4.92	86.78	351.62	21.55	299.25	1583.09	895.54	1272.56	718.73	73.63	38.62	7.02	5353.31 CMSDAY
MEAN	0.16	2.80	11.72	0.70	9.65	52.77	28.89	42.42	23.18	2.38	1.33	0.23	14.63 CMS
MAX	0.21	10.59	57.50	6.95	51.02	98.15	102.05	108.20	35.58	19.10	14.86	0.27	108.20 CMS
MIN	0.12	0.06	0.60	0.24	0.72	8.00	3.19	2.14	19.78	0.72	0.27	0.18	0.06 CMS
RUNOFF	0.425	7.498	30.380	1.862	25.855	136.779	77.375	109.949	62.098	6.362	3.337	0.607	462.526 MCM

MOMENTARY PEAK 113.80 CMS, AT 337.54 M (MSL), AT 9.00 HOURS, ON NOV 14, 1983

RUNOFF YIELD 7.69 LITERS/SECOND/SQUARE KM. MOMENTARY PEAK YIELD 59.83 LITERS/SECOND/SQUARE KM

WATER YEAR 1983

PING RIVER BASIN

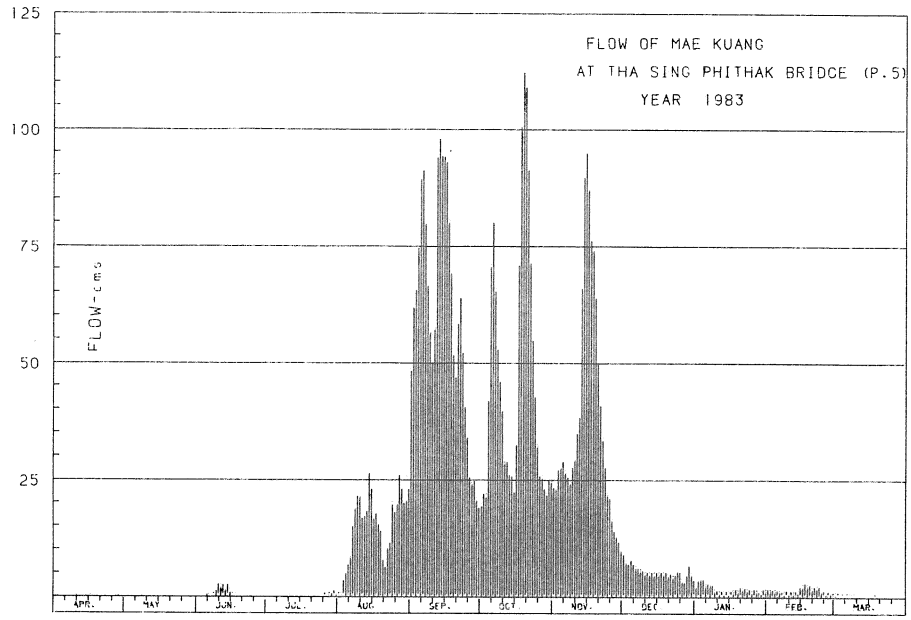
NAM MAE KUANG AT LAMPHUN, LAMPHUN (P.5)

LOCATION	LAT. 18°-34'-32" N., LONG. 99°-00'-44" E., ON RIGHT BANK ABOUT 10 METERS DOWNSTREAM FROM THA SING PHITAK BRIDGE, AMPHOE MUANG, LAMPHUN.
DRAINAGE AREA	1,569 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM	+288.50 M.(M.S.L.)
BENCH MARK	B.M.-H.D.
LOCATION	ON RIGHT BANK NEAR THE ABUTMENT OF THE BRIDGE.
ELEVATION	+295.680 M. (M.S.L.)
GAGE READING FREQUENCY	5-TIME DAILY READINGS AT 06.00, 09.00, 12.00, 15.00 AND 18.00 HOURS.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 5 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1951 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1954-1960, 1967 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1954-1960, 1967 TO DATE.
STABILITY OF CHANNEL REGIMES	STABLE.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS GOOD. UPSTREAM STATE DIVERSIONS FOR IRRIGATION ABOUT 9,600 HECTARES AT MAE KUANG WEIR. STAGE-DISCHARGE RELATION DEFINED BY 36 DISCHARGE MEASUREMENTS MADE IN 1983.

GAGE HEIGHT IN METER (MSL), WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	289.05	289.03	289.02	289.10	289.18	291.24	290.16	290.29	289.70	289.33	289.25	289.20	
2	289.03	289.02	289.03	289.08	289.18	291.69	290.24	290.30	289.64	289.39	289.25	289.19	
3	289.01	289.02	289.03	289.10	289.39	291.84	290.24	290.44	289.60	289.44	289.24	289.18	
4	289.03	289.03	289.02	289.10	289.51	292.12	290.99	290.48	289.67	289.41	289.25	289.17	
5	289.04	289.03	289.18	289.09	289.59	292.62	292.00	290.51	289.60	289.34	289.23	289.18	
6	289.03	289.03	289.14	289.08	289.70	292.66	292.30	290.44	289.58	289.34	289.23	289.18	
7	289.02	289.03	289.13	289.11	289.96	292.31	291.83	290.38	289.55	289.35	289.21	289.16	
8	289.03	289.02	289.17	289.09	290.13	291.85	291.38	290.35	289.54	289.32	289.22	289.16	
9	289.05	289.01	289.28	289.07	290.22	291.52	291.16	290.46	289.52	289.26	289.23	289.15	
10	289.04	289.01	289.33	289.10	290.24	291.28	290.91	290.54	289.50	289.23	289.23	289.14	
11	289.04	288.98	289.32	289.10	290.03	291.55	290.51	290.73	289.50	289.22	289.22	289.15	
12	289.04	288.97	289.32	289.09	290.07	292.75	290.51	290.88	289.50	289.22	289.22	289.14	
13	289.05	288.97	289.29	289.11	290.09	292.90	290.42	291.83	289.50	289.22	289.22	289.11	
14	289.03	288.98	289.32	289.09	290.44	292.76	290.39	292.63	289.50	289.22	289.24	289.12	
15	289.04	288.98	289.25	289.06	290.28	292.78	290.28	292.78	289.50	289.22	289.29	289.11	
16	289.07	288.98	289.17	289.06	290.05	292.72	290.64	292.54	289.50	289.22	289.33	289.11	
17	289.05	288.96	289.14	289.03	290.07	292.32	292.01	292.17	289.50	289.24	289.35	289.10	
18	289.04	288.97	289.12	289.02	290.00	291.94	292.96	292.12	289.50	289.25	289.33	289.13	
19	289.03	288.97	289.12	289.03	289.92	291.36	293.35	291.76	289.50	289.25	289.32	289.13	
20	289.01	288.97	289.12	289.03	289.67	291.17	293.23	291.30	289.48	289.28	289.29	289.11	
21	289.02	288.96	289.11	289.02	289.56	291.59	292.68	290.95	289.48	289.27	289.29	289.10	
22	289.03	288.95	289.12	289.03	289.78	291.76	292.01	290.70	289.46	289.27	289.31	289.10	
23	289.03	288.92	289.13	289.06	289.81	291.38	291.47	290.46	289.46	289.26	289.29	289.10	
24	289.02	288.92	289.12	289.06	290.17	290.94	291.02	290.25	289.55	289.25	289.24	289.10	
25	289.02	288.95	289.11	289.08	290.08	290.72	290.65	290.20	289.50	289.23	289.22	289.08	
26	289.02	288.95	289.11	289.16	290.17	290.38	290.39	290.03	289.42	289.25	289.22	289.07	
27	289.04	289.01	289.12	289.17	290.40	290.34	290.40	289.92	289.36	289.24	289.21	289.07	
28	289.04	289.03	289.13	289.19	290.31	290.35	290.28	289.89	289.50	289.20	289.23	289.06	
29	289.03	289.03	289.12	289.24	290.16	290.21	290.25	289.82	289.58	289.23	289.19	289.06	
30	289.03	289.03	289.10	289.22	290.20	290.12	290.35	289.76	289.50	289.25		289.05	
31		289.03		289.21	290.28		290.36		289.40	289.25		289.04	
MEAN	289.03	288.99	289.16	289.10	289.96	291.64	291.14	290.83	289.52	289.27	289.25	289.12	
MAX	289.07	289.03	289.33	289.24	290.44	292.90	293.35	292.78	289.70	289.44	289.35	289.20	293.35
MIN	289.01	288.92	289.02	289.02	289.18	290.12	290.16	289.76	289.36	289.20	289.19	289.04	288.92

ANNUAL MAX MOMENTARY GAGE HEIGHT 293.37 M (MSL), AT 18.00 HOURS, ON OCT 19, 1983
ZERO GAGE AT BOTTOM ELEVATION 288.50 M (MSL), RIVER BED 288.42 M (MSL)
LEFT BANK ELEVATION 295.66 M (MSL)
RIGHT BANK ELEVATION 295.69 M (MSL), DRAINAGE AREA 1569 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.25	0.15	0.10	0.50	0.90	48.82	20.00	23.25	9.00	2.69	1.65	1.00	
2	0.15	0.10	0.15	0.40	0.90	61.81	22.00	23.50	7.80	3.47	1.65	0.95	
3	0.05	0.10	0.15	0.50	3.47	66.20	22.00	27.04	7.00	4.28	1.52	0.90	
4	0.15	0.15	0.10	0.50	5.47	74.60	41.83	28.08	8.40	3.77	1.65	0.85	
5	0.20	0.15	0.90	0.45	6.83	89.92	71.00	28.87	7.00	2.82	1.39	0.90	
6	0.15	0.15	0.70	0.40	9.00	91.16	80.00	27.04	6.66	2.82	1.39	0.90	
7	0.10	0.15	0.65	0.55	15.00	80.31	65.90	25.50	6.15	2.95	1.13	0.80	
8	0.15	0.10	0.85	0.45	19.25	66.50	52.82	24.75	5.98	2.56	1.26	0.80	
9	0.25	0.05	2.04	0.35	21.50	56.88	46.58	27.56	5.64	1.78	1.39	0.75	
10	0.20	0.05	2.69	0.50	22.00	49.94	39.67	29.68	5.30	1.39	1.39	0.70	
11	0.20	0.00	2.56	0.50	16.75	57.75	28.87	34.81	5.30	1.26	1.26	0.75	
12	0.20	0.00	2.56	0.45	17.75	93.95	28.87	38.86	5.30	1.26	1.26	0.70	
13	0.25	0.00	2.17	0.55	18.25	98.60	26.52	65.90	5.30	1.26	1.26	0.55	
14	0.15	0.00	2.56	0.45	27.04	94.26	25.75	90.23	5.30	1.26	1.52	0.60	
15	0.20	0.00	1.65	0.30	23.00	94.88	23.00	94.88	5.30	1.26	2.17	0.55	
16	0.35	0.00	0.85	0.30	17.25	93.02	32.38	87.44	5.30	1.26	2.69	0.55	
17	0.25	0.00	0.70	0.15	17.75	80.62	71.30	76.10	5.30	1.52	2.95	0.50	
18	0.20	0.00	0.60	0.10	16.00	69.20	100.46	74.60	5.30	1.65	2.69	0.65	
19	0.15	0.00	0.60	0.15	14.00	52.24	112.80	63.84	5.30	1.65	2.56	0.65	
20	0.05	0.00	0.60	0.15	8.40	46.86	108.96	50.50	4.96	2.04	2.17	0.55	
21	0.10	0.00	0.55	0.10	6.32	58.91	91.78	40.75	4.96	1.91	2.17	0.50	
22	0.15	0.00	0.60	0.15	10.80	63.84	71.30	34.00	4.62	1.91	2.43	0.50	
23	0.15	0.00	0.65	0.30	11.47	52.82	55.43	27.56	4.62	1.78	2.17	0.50	
24	0.10	0.00	0.60	0.30	20.25	40.48	42.66	22.25	6.15	1.65	1.52	0.50	
25	0.10	0.00	0.55	0.40	18.00	34.54	32.65	21.00	5.30	1.39	1.26	0.40	
26	0.10	0.00	0.55	0.80	20.25	25.50	25.75	16.75	3.94	1.65	1.26	0.35	
27	0.20	0.05	0.60	0.85	26.00	24.50	26.00	14.00	3.08	1.52	1.13	0.35	
28	0.20	0.15	0.65	0.95	23.75	24.75	23.00	13.28	5.30	1.00	1.39	0.30	
29	0.15	0.15	0.60	1.52	20.00	21.25	22.25	11.70	6.66	1.39	0.95	0.30	
30	0.15	0.15	0.50	1.26	21.00	19.00	24.75	10.35	5.30	1.65		0.25	
31		0.15		1.13	23.00		25.00		3.60	1.65		0.20	
TOTAL	5.05	1.80	29.03	15.46	481.35	1833.11	1461.28	1154.07	175.12	60.45	49.23	18.75	5284.70 CMSDAY
MEAN	0.17	0.06	0.97	0.50	15.53	61.10	47.14	38.47	5.65	1.95	1.70	0.60	14.44 CMS
MAX	0.35	0.15	2.69	1.52	27.04	98.60	112.80	94.88	9.00	4.28	2.95	1.00	112.80 CMS
MIN	0.05	0.00	0.10	0.10	0.90	19.00	20.00	10.35	3.08	1.00	0.95	0.20	0.00 CMS
RUNOFF	0.436	0.156	2.508	1.336	41.589	158.381	126.255	99.712	15.130	5.223	4.253	1.620	456.598 MCM

MOMENTARY PEAK 113.44 CMS, AT 293.37 M (MSL), AT 18.00 HOURS, ON OCT 19, 1983

RUNOFF YIELD 9.20 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 72.30 LITERS/SECOND/SQUARE KM

WATER YEAR 1983

PING RIVER BASIN

PING RIVER AT KAMPHAENG PHET, KAMPHAENG PHET (P.7A)

LOCATION — LAT. 16°-28'-38" N., LONG. 99°-31'-06" E., ON RIGHT BANK ABOUT 100 METERS UPSTREAM FROM THE BRIDGE ON HIGHWAY AT BAN NAKHON CHUM, AMPHOE MUANG, KAMPHAENG PHET.

DRAINAGE AREA — 42,700 SQ.KM.

TYPE OF GAGE — WATER-STAGE RECORDER.

ZERO GAGE AT BOTTOM — +72.00 M. (M.S.L.)

BENCH MARK — B.M.-H.D.

LOCATION — NEAR THE GAGE OBSERVER'S HOUSE.

ELEVATION — +77.717 M. (M.S.L.)

GAGE READING FREQUENCY — RECORDING.

BASIS OF MEAN DAILY GAGE HEIGHT — ARITHMETIC MEAN OF 24 READINGS.

PERIOD OF AVAILABLE GAGE RECORDS — 1960 TO DATE.

RATING OPERATION

PERIOD OF RATING — 1960-1961, 1967 TO DATE.

RATED BY FLOAT — -

RATED BY CURRENT METER — 1960-1961, 1967 TO DATE.

STABILITY OF CHANNEL REGIMES — STABLE.

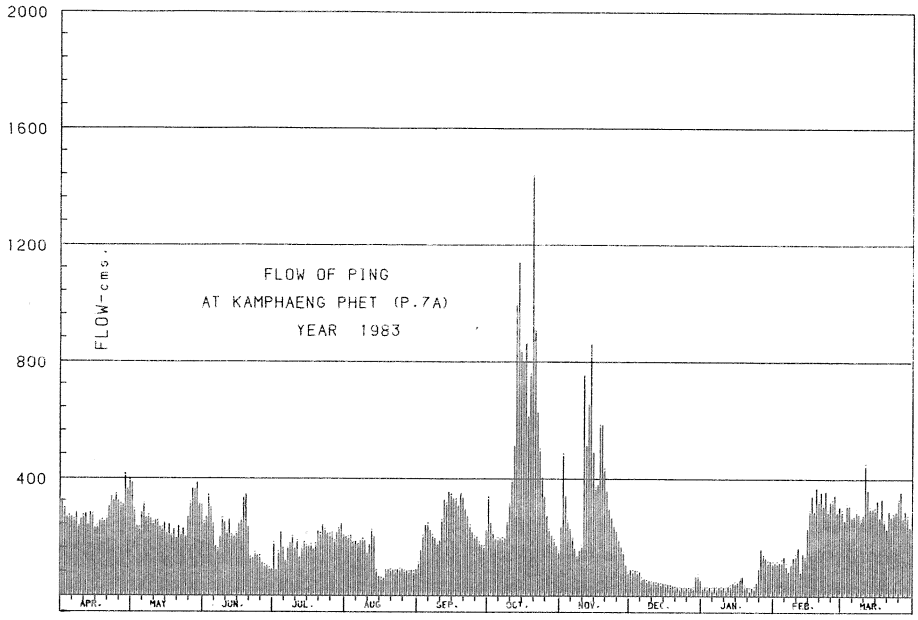
OVERBANK FLOW CONDITIONS — N0 OVERBANK FLOW.

GENERAL DESCRIPTION — RECORDS GOOD. FLOW COMPLETELY REGULATED BY PHUMIPHOL DAM RESERVIOR AND DIVERTED FOR IRRIGATION ABOUT 40,300 HECTARES AT ABOVE GAGE SITE. STAGE-DISCHARGE RELATION DEFINED BY 28 DISCHARGE MEASUREMENTS MADE IN 1983.

GAGE HEIGHT IN METER (MSL), WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	74.13	74.30	73.90	73.64	73.71	73.36	74.16	73.83	73.23	72.84	73.35	74.03	
2	74.05	74.04	73.95	73.22	73.72	73.53	73.88	74.55	73.23	72.84	73.37	73.91	
3	73.95	73.84	74.18	73.52	73.73	73.73	73.78	74.17	73.22	72.84	73.35	74.09	
4	73.97	73.83	74.05	73.77	73.64	73.85	73.68	73.92	73.21	72.82	73.40	74.07	
5	73.95	74.00	73.87	73.57	73.65	73.88	73.70	73.81	73.19	72.82	73.44	73.97	
6	73.93	74.10	73.59	73.38	73.62	73.79	73.69	73.70	73.09	72.83	73.34	73.96	
7	74.00	73.94	73.56	73.59	73.66	73.74	73.70	73.56	73.05	72.83	73.20	74.04	
8	73.85	73.97	73.71	73.63	73.69	73.69	73.69	73.45	73.03	72.83	73.36	73.98	
9	73.93	73.93	73.94	73.72	73.66	73.64	73.89	73.53	73.01	72.84	73.43	73.93	
10	73.97	73.89	73.89	73.56	73.49	73.66	74.09	73.61	73.00	72.82	73.48	73.97	
11	73.99	73.91	73.78	73.67	73.61	73.92	74.33	75.12	72.99	72.82	73.57	74.47	
12	73.89	73.91	73.92	73.43	73.80	74.13	74.61	74.63	72.97	72.85	73.23	74.23	
13	74.00	73.83	73.74	73.58	73.71	74.10	75.58	74.92	72.96	72.90	73.48	74.06	
14	73.99	73.83	73.71	73.65	73.23	74.21	75.82	75.34	72.95	72.94	73.44	74.04	
15	73.82	73.88	73.77	73.61	73.10	74.19	75.29	74.56	72.94	72.98	73.81	74.05	
16	73.85	73.78	73.87	73.59	73.08	74.14	75.21	74.26	72.92	72.96	74.03	74.12	
17	73.90	73.86	73.93	73.62	73.06	74.14	75.34	74.28	72.91	73.09	74.17	73.98	
18	73.92	73.74	74.15	73.55	73.22	74.07	74.83	74.77	72.89	73.10	74.04	74.14	
19	73.90	73.80	74.18	73.63	73.23	74.20	75.13	74.77	72.86	72.90	74.25	73.92	
20	73.95	73.72	73.83	73.78	73.24	74.15	76.30	74.43	72.85	72.83	74.13	73.81	
21	74.06	73.84	73.44	73.76	73.22	74.06	75.41	74.22	72.83	72.81	74.21	74.04	
22	74.16	73.76	73.42	73.86	73.22	73.96	74.86	74.06	72.82	72.80	74.09	73.95	
23	74.12	73.81	73.51	73.81	73.23	73.86	74.59	73.94	72.82	72.84	74.22	73.99	
24	74.19	73.74	73.46	73.75	73.25	73.77	74.35	73.87	72.81	72.95	74.03	74.01	
25	74.12	73.95	73.46	73.75	73.24	73.72	74.19	73.78	72.81	73.28	74.11	74.14	
26	74.09	74.11	73.35	73.77	73.22	73.71	73.96	73.69	72.81	73.55	74.13	74.21	
27	74.08	74.24	73.32	73.67	73.21	73.65	73.81	73.58	72.81	73.47	74.18	73.96	
28	74.38	74.23	73.30	73.76	73.21	73.61	73.73	73.52	72.84	73.42	74.03	74.02	
29	74.24	74.30	73.27	73.82	73.22	73.60	73.68	73.31	73.10	73.38	74.06	73.97	
30	74.33	74.11	73.24	73.87	73.21	73.79	73.60	73.21	73.15	73.38		73.83	
31		74.08		73.73	73.23		73.53		73.02	73.37		73.80	
MEAN	74.02	73.94	73.71	73.65	73.40	73.86	74.40	74.08	72.98	73.00	73.76	74.02	
MAX	74.38	74.30	74.18	73.87	73.80	74.21	76.30	75.34	73.23	73.55	74.25	74.47	76.30
MIN	73.82	73.72	73.24	73.22	73.06	73.36	73.53	73.21	72.81	72.80	73.20	73.80	72.80

ANNUAL MAX MOMENTARY GAGE HEIGHT 76.55 M (MSL), AT 7.00 HOURS, ON OCT 20, 1983
ZERO GAGE AT BOTTOM ELEVATION 72.00 M (MSL), RIVER BED 69.80 M (MSL)
LEFT BANK ELEVATION 77.83 M (MSL)
RIGHT BANK ELEVATION 81.64 M (MSL), DRAINAGE AREA 42700 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	326.5	385.0	252.5	180.9	200.0	114.5	336.6	232.9	88.5	31.2	112.5	292.7	
2	299.5	296.1	267.5	86.5	202.7	152.8	246.9	484.5	88.5	31.2	116.5	255.5	
3	267.5	235.7	343.3	150.4	205.4	205.4	219.0	340.0	86.5	31.2	112.5	313.1	
4	273.5	232.9	299.5	216.3	180.9	238.5	191.8	258.5	84.5	29.1	122.5	306.3	
5	267.5	282.5	244.1	162.7	183.6	246.9	197.2	227.3	80.8	29.1	131.7	273.5	
6	261.5	316.5	167.5	118.5	175.5	221.8	194.5	197.2	63.5	30.1	110.5	270.5	
7	282.5	264.5	160.2	167.5	186.4	208.1	197.2	160.2	57.5	30.1	82.5	296.1	
8	238.5	273.5	200.0	178.2	194.5	194.5	194.5	134.0	54.5	30.1	114.5	276.5	
9	261.5	261.5	264.5	202.7	186.4	180.9	249.7	152.8	51.5	31.2	129.4	261.5	
10	273.5	249.7	249.7	160.2	143.2	186.4	313.1	172.7	50.0	29.1	140.9	273.5	
11	279.5	255.5	219.0	189.1	172.7	258.5	396.2	752.6	48.7	29.1	162.7	450.9	
12	249.7	255.5	258.5	129.4	224.5	326.5	510.4	519.2	46.3	32.2	88.5	360.5	
13	282.5	232.9	208.1	165.1	200.0	316.5	1001.2	653.7	45.0	37.5	140.9	302.9	
14	279.5	232.9	200.0	183.6	88.5	353.5	1139.5	868.6	43.7	42.5	131.7	296.1	
15	230.1	246.9	216.3	172.7	65.0	346.7	841.6	488.8	42.5	47.5	227.3	299.5	
16	238.5	219.0	244.1	167.5	62.0	329.9	798.4	371.0	40.0	45.0	292.7	323.2	
17	252.5	241.3	261.5	175.5	59.0	329.9	868.6	378.0	38.8	63.5	340.0	276.5	
18	258.5	208.1	333.3	157.8	86.5	306.3	611.1	582.9	36.4	65.0	296.1	329.9	
19	252.5	224.5	343.3	178.2	88.5	350.0	757.6	582.9	33.3	37.5	367.5	258.5	
20	267.5	202.7	232.9	219.0	90.5	333.3	1439.1	434.6	32.2	30.1	326.5	227.3	
21	302.9	235.7	131.7	213.6	86.5	302.9	906.5	357.0	30.1	28.0	353.5	296.1	
22	336.6	213.6	127.1	241.3	86.5	270.5	625.2	302.9	29.1	27.0	313.1	267.5	
23	323.2	227.3	148.0	227.3	88.5	241.3	501.7	264.5	29.1	31.2	357.0	279.5	
24	346.7	208.1	136.3	210.9	92.5	216.3	403.7	244.1	28.0	43.7	292.7	285.9	
25	323.2	267.5	136.3	210.9	90.5	202.7	346.7	219.0	28.0	98.5	319.9	329.9	
26	313.1	319.9	112.5	216.3	86.5	200.0	270.5	194.5	28.0	157.8	326.5	353.5	
27	309.7	364.0	106.5	189.1	84.5	183.6	227.3	165.1	28.0	138.6	343.3	270.5	
28	415.0	360.5	102.5	213.6	84.5	172.7	205.4	150.4	31.2	127.1	292.7	289.3	
29	364.0	385.0	96.5	230.1	86.5	170.0	191.8	104.5	65.0	118.5	302.9	273.5	
30	396.2	319.9	90.5	244.1	84.5	221.8	170.0	84.5	73.8	118.5		232.9	
31		309.7		205.4	88.5		152.8		53.0	116.5		224.5	
TOTAL	8773.4	8328.4	6153.7	5764.4	3955.3	7382.7	14705.8	10078.9	1536.0	1737.7	6449.0	9047.6	83912.9 CMSDAY
MEAN	292.4	268.7	205.1	185.9	127.6	246.1	474.4	336.0	49.5	56.1	222.4	291.9	229.3 CMS
MAX	415.0	385.0	343.3	244.1	224.5	353.5	1439.1	868.6	88.5	157.8	367.5	450.9	1439.1 CMS
MIN	230.1	202.7	90.5	86.5	59.0	114.5	152.8	84.5	28.0	27.0	82.5	224.5	27.0 CMS
RUNOFF	758.02	719.57	531.68	498.04	341.74	637.87	1270.58	870.82	132.71	150.14	557.19	781.71	7250.08 MCM

MOMENTARY PEAK 1589.85 CMS, AT 76.55 M (MSL), AT 7.00 HOURS, ON OCT 20, 1983

RUNOFF YIELD 5.37 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 37.23 LITERS/SECOND/SQUARE KM

WATER YEAR 1983

PING RIVER BASIN

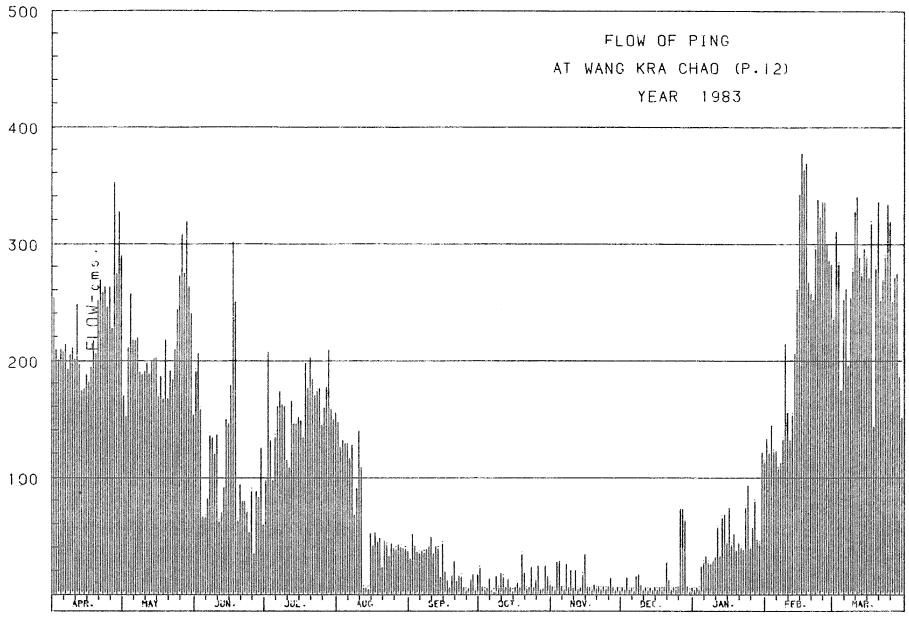
PING RIVER AT WANG KRA CHAO, TAK (P.12)

LOCATION	LAT. 17°-14'-30" N., LONG. 99°-00'-45" E., ON RIGHT BANK ABOUT 4 KILOMETERS DOWNSTREAM FROM PHUMIPHOL DAM RESERVOIR, AT WANG KRA CHAO, AMPHOE SAM NGAO, TAK.
DRAINAGE AREA	26,396 SQ.KM.
TYPE OF GAGE	WATER-STAGE RECORDER.
ZERO GAGE AT BOTTOM	+133.00 M.(M.S.L.)
BENCH MARK	B.M.-H.D.
LOCATION	ABOUT 25 METERS NORTH OF AUTOMATIC GAGE BUILDING.
ELEVATION	+143.825 M. (M.S.L.)
GAGE READING FREQUENCY	RECORDING.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 24 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1952 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1952 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1952 TO DATE.
STABILITY OF CHANNEL REGIMES	STABLE.
OVERBANK FLOW CONDITIONS	OVERBANK FLOW STARTS AT ELEVATION +134.07 M.(M.S.L.), RECORDS ARE CHANNEL FLOW ONLY
GENERAL DESCRIPTION	RECORDS GOOD. FLOW REGULATED BY PHUMIPHOL DAM RESERVIOR AND DIVERTED FOR IRRIGATION ABOUT 28,000 HECTARES AT ABOVE GAGE SITE. STAGE-DISCHARGE RELATION DEFINED BY 32 DISCHARGE MEASUREMENTS MADE IN 1983.

GAGE HEIGHT IN METER (MSL), WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	135.00	134.50	134.65	133.96	134.34	133.25	133.12	132.79	132.78	132.78	134.23	134.91	
2	134.77	134.40	134.73	134.74	134.19	133.48	132.79	132.78	132.78	132.77	134.15	135.30	
3	134.70	134.76	134.44	134.24	134.22	133.38	132.78	133.17	132.95	132.79	134.32	135.16	
4	134.77	135.03	133.64	133.94	134.22	133.29	132.76	133.21	132.78	133.11	134.16	134.53	
5	134.74	134.80	133.66	134.26	134.20	133.30	132.98	132.80	132.77	133.19	134.15	135.00	
6	134.79	134.81	133.80	134.44	134.12	133.30	132.71	132.79	132.77	133.24	134.04	135.04	
7	134.65	134.81	134.27	134.54	134.19	133.31	132.75	133.14	132.97	133.19	134.07	134.68	
8	134.74	134.65	134.24	134.45	133.68	133.32	132.97	132.83	133.04	133.14	134.24	135.00	
9	134.76	134.62	134.15	134.46	133.88	133.38	132.81	133.06	132.82	133.22	134.78	135.13	
10	134.72	134.65	134.26	134.09	134.30	133.45	133.02	132.81	132.79	133.23	134.42	135.38	
11	134.97	134.68	133.62	134.06	134.04	133.30	133.00	133.06	132.78	133.56	134.22	135.45	
12	134.69	134.64	133.68	134.47	132.82	133.35	132.78	132.79	132.77	133.24	134.40	135.18	
13	134.53	134.69	133.91	134.35	132.77	133.35	132.97	132.77	132.77	133.65	134.73	135.11	
14	134.56	134.72	134.36	134.33	132.81	132.96	132.77	133.03	132.77	133.66	135.05	135.22	
15	134.62	134.71	134.35	134.39	133.49	133.40	132.75	133.26	132.78	133.41	135.45	135.19	
16	134.60	134.51	134.56	134.35	133.39	133.04	132.78	132.84	132.78	133.72	135.63	135.09	
17	134.66	134.61	135.26	134.26	133.50	132.96	132.91	132.78	132.78	133.39	135.55	135.34	
18	134.81	134.50	134.98	134.68	133.44	132.77	132.77	132.79	132.78	133.48	135.59	134.31	
19	134.73	134.80	133.63	134.56	133.44	133.02	133.29	132.83	132.79	133.33	135.07	135.14	
20	135.00	134.50	133.91	134.71	133.14	133.18	133.02	132.80	133.19	133.38	135.03	135.42	
21	135.08	134.64	133.80	134.61	133.41	132.94	132.80	132.80	132.91	133.36	134.99	135.00	
22	135.04	134.61	133.78	134.50	133.39	132.98	132.78	132.80	132.78	133.31	135.23	135.08	
23	135.05	134.75	133.71	134.54	133.24	133.01	133.13	132.80	132.78	133.74	135.43	135.19	
24	134.97	134.96	133.50	134.54	133.41	132.78	132.77	132.80	132.78	133.90	135.37	135.41	
25	135.05	135.10	133.88	134.34	133.33	132.77	132.95	132.80	132.80	133.35	135.42	135.35	
26	134.87	135.30	133.27	134.43	133.35	132.76	133.12	132.98	133.73	133.54	135.43	134.98	
27	135.50	135.11	133.88	134.56	133.37	132.96	132.78	132.78	133.71	133.79	135.24	135.10	
28	135.12	135.35	133.81	134.75	133.37	133.00	132.75	132.78	133.63	133.42	135.18	135.11	
29	135.38	135.05	134.19	134.44	133.33	132.77	133.16	132.78	132.80	133.40	135.15	134.62	
30	135.20	134.94	133.57	134.36	133.35	133.00	132.97	132.78	132.75	134.14		134.37	
31		134.39		134.42	133.30		132.88		132.77	134.09		135.38	
MEAN	134.87	134.76	134.05	134.41	133.58	133.13	132.90	132.88	132.91	133.40	134.85	135.07	
MAX	135.50	135.35	135.26	134.75	134.34	133.48	133.29	133.26	133.73	134.14	135.63	135.45	135.63
MIN	134.53	134.39	133.27	133.94	132.77	132.76	132.71	132.77	132.75	132.77	134.04	134.31	132.71

ANNUAL MAX MOMENTARY GAGE HEIGHT 136.12 M (MSL), AT 20.00 HOURS, ON JUN 1, 1983
ZERO GAGE AT BOTTOM ELEVATION 133.00 M (MSL), RIVER BED 131.44 M (MSL)
LEFT BANK ELEVATION 134.06 M (MSL)
RIGHT BANK ELEVATION 144.94 M (MSL), DRAINAGE AREA 26396 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	254.00	170.00	193.00	99.60	147.20	33.25	24.30	6.60	6.20	6.20	132.90	237.80	
2	212.90	155.00	206.10	207.80	127.70	51.40	6.60	6.20	6.20	5.80	122.50	311.00	
3	201.00	211.20	161.00	134.20	131.60	43.40	6.20	27.55	14.25	6.60	144.60	284.40	
4	212.90	259.70	66.30	97.40	131.60	36.25	5.40	30.25	6.20	23.65	123.80	174.50	
5	207.80	218.00	68.20	136.80	129.00	37.00	15.90	7.00	5.80	28.85	122.50	254.00	
6	216.30	219.80	82.00	161.00	118.60	37.00	3.40	6.60	5.80	32.50	108.80	261.60	
7	193.00	219.80	138.10	176.00	127.70	37.80	5.00	25.60	15.35	28.85	112.40	197.80	
8	207.80	193.00	134.20	162.50	70.10	38.60	15.35	8.35	19.40	25.60	134.20	254.00	
9	211.20	188.20	122.50	164.00	90.80	43.40	7.45	20.60	7.90	31.00	214.60	278.70	
10	204.40	193.00	136.80	114.80	142.00	49.00	18.20	7.45	6.60	31.75	158.00	327.80	
11	248.60	197.80	64.40	111.20	108.80	37.00	17.00	20.60	6.20	58.70	131.60	342.50	
12	199.40	191.40	70.10	165.50	7.90	41.00	6.20	6.60	5.80	32.50	155.00	288.20	
13	174.50	199.40	94.10	148.50	5.80	41.00	15.35	5.80	5.80	67.25	206.10	274.90	
14	179.00	204.40	149.80	145.90	7.45	14.80	5.80	18.80	5.80	68.20	263.50	295.80	
15	188.20	202.70	148.50	153.70	52.20	45.00	5.00	34.00	6.20	45.80	342.50	290.10	
16	185.00	171.50	179.00	148.50	44.20	19.40	6.20	8.80	6.20	74.00	380.30	271.10	
17	194.60	186.60	303.40	136.80	53.00	14.80	12.05	6.20	6.20	44.20	363.50	319.40	
18	219.80	170.00	250.40	197.80	48.20	5.80	5.80	6.60	6.20	51.40	371.90	143.30	
19	206.10	218.00	65.35	179.00	48.20	18.20	36.25	8.35	6.60	39.40	267.30	280.60	
20	254.00	170.00	94.10	202.70	25.60	28.20	18.20	7.00	28.85	43.40	259.70	336.20	
21	269.20	191.40	82.00	186.60	45.80	13.70	7.00	7.00	12.05	41.80	252.20	254.00	
22	261.60	186.60	80.00	170.00	44.20	15.90	6.20	7.00	6.20	37.80	297.70	269.20	
23	263.50	209.50	73.00	176.00	32.50	17.60	24.95	7.00	6.20	76.00	338.30	290.10	
24	248.60	246.80	53.00	176.00	45.80	6.20	5.80	7.00	6.20	93.00	325.70	334.10	
25	263.50	273.00	90.80	147.20	39.40	5.80	14.25	7.00	7.00	41.00	336.20	321.50	
26	230.60	311.00	34.75	159.50	41.00	5.40	24.30	15.90	75.00	56.80	338.30	250.40	
27	353.00	274.90	90.80	179.00	42.60	14.80	6.20	6.20	73.00	81.00	299.60	273.00	
28	276.80	321.50	83.10	209.50	42.60	17.00	5.00	6.20	65.35	46.60	288.20	274.90	
29	327.80	263.50	127.70	161.00	39.40	5.80	26.90	6.20	7.00	45.00	282.50	188.20	
30	292.00	243.20	59.65	149.80	41.00	17.00	15.35	6.20	5.00	121.20		151.10	
31		153.70		158.00	37.00		10.60		5.80	114.80		327.80	
TOTAL	6957.10	6614.60	3502.15	4916.30	2068.95	791.50	382.20	344.65	446.35	1500.65	6874.40	8358.00	42756.85 CMSDAY
MEAN	231.90	213.37	116.74	158.59	66.74	26.38	12.33	11.49	14.40	48.41	237.05	269.61	116.82 CMS
MAX	353.00	321.50	303.40	209.50	147.20	51.40	36.25	34.00	75.00	121.20	380.30	342.50	380.30 CMS
MIN	174.50	153.70	34.75	97.40	5.80	5.40	3.40	5.80	5.00	5.80	108.80	143.30	3.40 CMS
RUNOFF	601.094	571.501	302.586	424.768	178.757	68.386	33.022	29.778	38.565	129.656	593.948	722.131	3694.192 MCM

MOMENTARY PEAK 490.20 CMS, AT 136.12 M (MSL), AT 20.00 HOURS, ON JUN 1, 1983

RUNOFF YIELD 4.43 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 18.57 LITERS/SECOND/SQUARE KM

WATER YEAR 1983

PING RIVER BASIN

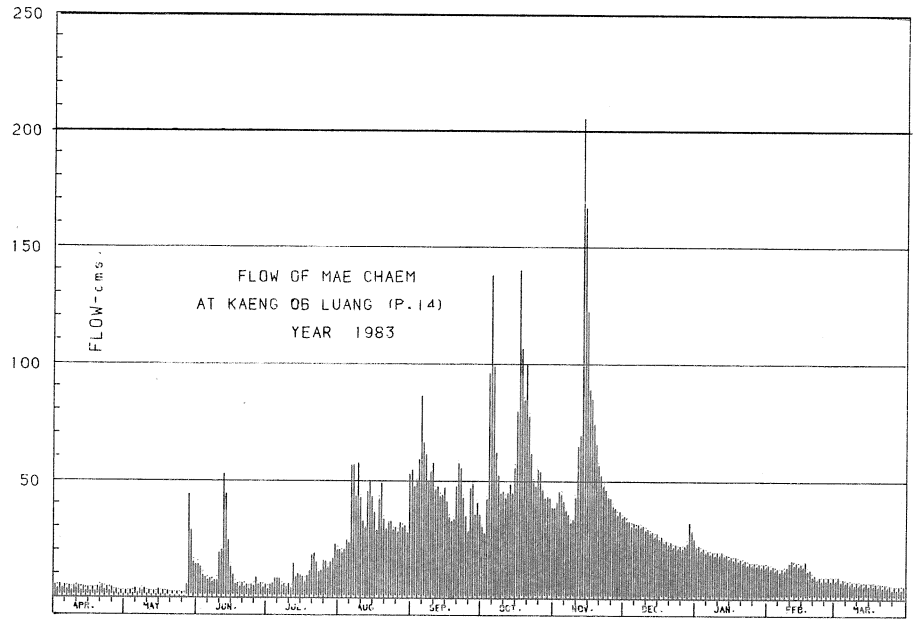
NAM MAE CHAEM AT KAENG OB LUANG, CHIANG MAI (P.14)

LOCATION	LAT. 18°-13'-49" N., LONG. 98°-33'-35" E., ON RIGHT BANK NEAR THE BRIDGE OF HOT-MAE SARIANG HIGHWAY AT GUIDEPOST 7+500, AMPHOE HOT, CHIANG MAI.
DRAINAGE AREA	3,853 SQ.KM.
TYPE OF GAGE	WATER-STAGE RECORDER.
ZERO GAGE AT BOTTOM	+275.80 M. (M.S.L.)
BENCH MARK	B.M.-H.D.
LOCATION	ABOUT 10 METERS INFRONT OF AUTOMATIC GAGE BUILDING.
ELEVATION	+282.20 M. (M.S.L.)
GAGE READING FREQUENCY	RECORDING.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 24 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1953 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1954-1960, 1967 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1954-1960, 1967 TO DATE.
STABILITY OF CHANNEL REGIMES	STABLE.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS GOOD. STAGE-DISCHARGE RELATION DEFINED BY 33 DISCHARGE MEASUREMENTS MADE IN 1983.

GAGE HEIGHT IN METER (MSL), WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	276.76	276.69	277.00	276.76	277.10	277.62	277.28	277.38	277.33	277.14	276.97	276.86	
2	276.76	276.69	276.95	276.77	277.10	277.51	277.22	277.43	277.32	277.13	276.97	276.86	
3	276.77	276.69	276.91	276.82	277.10	277.55	277.45	277.48	277.30	277.12	276.96	276.84	
4	276.77	276.70	276.85	276.84	277.19	277.66	278.09	277.48	277.29	277.11	276.95	276.84	
5	276.76	276.72	276.86	276.88	277.15	278.00	278.52	277.42	277.29	277.10	276.94	276.83	
6	276.75	276.71	276.84	276.84	277.64	277.75	278.12	277.38	277.28	277.09	276.94	276.82	
7	276.75	276.71	276.84	276.80	277.63	277.70	277.71	277.34	277.28	277.09	276.94	276.82	
8	276.74	276.73	276.82	276.78	277.47	277.54	277.57	277.31	277.28	277.08	276.95	276.81	
9	276.75	276.72	276.86	276.78	277.64	277.61	277.49	277.31	277.27	277.08	276.95	276.81	
10	276.76	276.70	277.07	276.78	277.46	277.64	277.48	277.46	277.26	277.08	277.01	276.81	
11	276.75	276.69	277.12	276.77	277.30	277.51	277.46	277.73	277.25	277.08	277.01	276.81	
12	276.74	276.68	277.58	276.98	277.28	277.51	277.47	277.80	277.24	277.08	277.00	276.80	
13	276.74	276.68	277.49	276.89	277.48	277.47	277.54	279.09	277.23	277.07	276.99	276.80	
14	276.73	276.68	277.17	276.89	277.55	277.46	277.47	278.78	277.22	277.06	276.99	276.80	
15	276.73	276.71	276.98	276.91	277.45	277.52	277.63	278.36	277.22	277.05	276.98	276.80	
16	276.73	276.69	276.88	276.86	277.37	277.42	277.91	278.03	277.20	277.04	276.98	276.80	
17	276.73	276.69	276.82	276.85	277.24	277.34	278.54	277.97	277.20	277.04	277.00	276.80	
18	276.73	276.68	276.79	276.87	277.45	277.30	278.20	277.86	277.18	277.04	276.95	276.79	
19	276.74	276.68	276.79	276.94	277.53	277.33	277.98	277.74	277.17	277.03	276.93	276.79	
20	276.77	276.66	276.79	277.05	277.33	277.51	278.13	277.64	277.16	277.02	276.90	276.79	
21	276.76	276.66	276.79	277.09	277.25	277.65	277.90	277.57	277.16	277.02	276.88	276.78	
22	276.75	276.66	276.77	276.99	277.31	277.61	277.69	277.53	277.14	277.01	276.87	276.78	
23	276.74	276.66	276.76	276.93	277.30	277.46	277.55	277.49	277.14	277.00	276.86	276.78	
24	276.74	276.66	276.77	276.92	277.26	277.33	277.51	277.46	277.13	276.99	276.86	276.77	
25	276.73	276.65	276.80	277.03	277.26	277.25	277.62	277.44	277.13	276.99	276.86	276.76	
26	276.71	276.65	276.85	277.00	277.25	277.50	277.59	277.41	277.13	276.99	276.86	276.76	
27	276.71	276.77	276.81	276.97	277.29	277.54	277.51	277.38	277.13	276.99	276.86	276.76	
28	276.70	277.48	276.79	276.99	277.28	277.34	277.44	277.36	277.17	276.98	276.86	276.76	
29	276.69	277.24	276.78	277.05	277.27	277.43	277.47	277.36	277.29	276.98	276.86	276.76	
30	276.69	277.02	276.77	277.14	277.24	277.34	277.44	277.34	277.26	276.98		276.76	
31		276.97		277.12	277.58		277.40		277.18	276.98		276.76	
MEAN	276.74	276.75	276.91	276.91	277.35	277.51	277.69	277.64	277.22	277.05	276.93	276.80	
MAX	276.77	277.48	277.58	277.14	277.64	278.00	278.54	279.09	277.33	277.14	277.01	276.86	279.09
MIN	276.69	276.65	276.76	276.76	277.10	277.25	277.22	277.31	277.13	276.98	276.86	276.76	276.65

ANNUAL MAX MOMENTARY GAGE HEIGHT 280.81 M (MSL), AT 9.00 HOURS, ON NOV 13, 1983
ZERO GAGE AT BOTTOM ELEVATION 275.80 M (MSL), RIVER BED 275.95 M (MSL)
LEFT BANK ELEVATION 285.17 M (MSL)
RIGHT BANK ELEVATION 282.59 M (MSL), DRAINAGE AREA 3853 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL I, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	5.60	3.30	16.00	5.60	21.00	56.30	31.70	38.60	35.10	23.20	14.50	9.40	
2	5.60	3.30	13.50	5.95	21.00	47.77	27.80	42.10	34.40	22.65	14.50	9.40	
3	5.95	3.30	11.50	7.80	21.00	50.87	43.50	45.60	33.00	22.10	14.00	8.60	
4	5.95	3.50	9.00	8.60	25.95	59.40	96.05	45.60	32.35	21.55	13.50	8.60	
5	5.60	4.20	9.40	10.20	23.75	87.50	139.20	41.40	32.35	21.00	13.00	8.20	
6	5.25	3.85	8.60	8.60	57.85	66.50	98.90	38.60	31.70	20.50	13.00	7.80	
7	5.25	3.85	8.60	7.00	57.07	62.50	63.30	35.80	31.70	20.50	13.00	7.80	
8	4.90	4.55	7.80	6.30	44.90	50.10	52.42	33.70	31.70	20.00	13.50	7.40	
9	5.25	4.20	9.40	6.30	57.85	55.52	46.30	33.70	31.05	20.00	13.50	7.40	
10	5.60	3.50	19.50	6.30	44.20	57.85	45.60	44.20	30.40	20.00	16.50	7.40	
11	5.25	3.30	22.10	5.95	33.00	47.77	44.20	64.90	29.75	20.00	16.50	7.40	
12	4.90	3.10	53.20	15.00	31.70	47.77	44.90	70.50	29.10	20.00	16.00	7.00	
13	4.90	3.10	46.30	10.60	45.60	44.90	50.10	205.30	28.45	19.50	15.50	7.00	
14	4.55	3.10	24.85	10.60	50.87	44.20	44.90	168.40	27.80	19.00	15.50	7.00	
15	4.55	3.85	15.00	11.50	43.50	48.55	57.07	122.30	27.80	18.50	15.00	7.00	
16	4.55	3.30	10.20	9.40	37.90	41.40	79.85	90.35	26.50	18.00	15.00	7.00	
17	4.55	3.30	7.80	9.00	29.10	35.80	141.40	84.95	26.50	18.00	16.00	7.00	
18	4.55	3.10	6.65	9.80	43.50	33.00	106.50	75.60	25.40	18.00	13.50	6.65	
19	4.90	3.10	6.65	13.00	49.32	35.10	85.80	65.70	24.85	17.50	12.50	6.65	
20	5.95	2.70	6.65	18.50	35.10	47.77	99.85	57.85	24.30	17.00	11.00	6.65	
21	5.60	2.70	6.65	20.50	29.75	58.62	79.00	52.42	24.30	17.00	10.20	6.30	
22	5.25	2.70	5.95	15.50	33.70	55.52	61.72	49.32	23.20	16.50	9.80	6.30	
23	4.90	2.70	5.60	12.50	33.00	44.20	50.87	46.30	23.20	16.00	9.40	6.30	
24	4.90	2.70	5.95	12.00	30.40	35.10	47.77	44.20	22.65	15.50	9.40	5.95	
25	4.55	2.50	7.00	17.50	30.40	29.75	56.30	42.80	22.65	15.50	9.40	5.60	
26	3.85	2.50	9.00	16.00	29.75	47.00	53.97	40.70	22.65	15.50	9.40	5.60	
27	3.85	5.95	7.40	14.50	32.35	50.10	47.77	38.60	22.65	15.50	9.40	5.60	
28	3.50	45.60	6.65	15.50	31.70	35.80	42.80	37.20	24.85	15.00	9.40	5.60	
29	3.30	29.10	6.30	18.50	31.05	42.10	44.90	37.20	32.35	15.00	9.40	5.60	
30	3.30	17.00	5.95	23.20	29.10	35.80	42.80	35.80	30.40	15.00		5.60	
31		14.50		22.10	53.20		40.00		25.40	15.00		5.60	
TOTAL	146.60	197.45	379.15	373.80	1138.56	1454.56	1967.24	1829.69	868.50	568.50	371.30	215.40	9510.75 CMSDAY
MEAN	4.89	6.37	12.64	12.06	36.73	48.49	63.46	60.99	28.02	18.34	12.80	6.95	25.99 CMS
MAX	5.95	45.60	53.20	23.20	57.85	87.50	141.40	205.30	35.10	23.20	16.50	9.40	205.30 CMS
MIN	3.30	2.50	5.60	5.60	21.00	29.75	27.80	33.70	22.65	15.00	9.40	5.60	2.50 CMS
RUNOFF	12.666	17.060	32.759	32.296	98.372	125.674	169.970	158.085	75.038	49.118	32.080	18.611	821.729 MCM

MOMENTARY PEAK 440.40 CMS, AT 280.81 M (MSL), AT 9.00 HOURS, ON NOV 13, 1983

RUNOFF YIELD 6.74 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 114.30 LITERS/SECOND/SQUARE KM

WATER YEAR 1983

PING RIVER BASIN

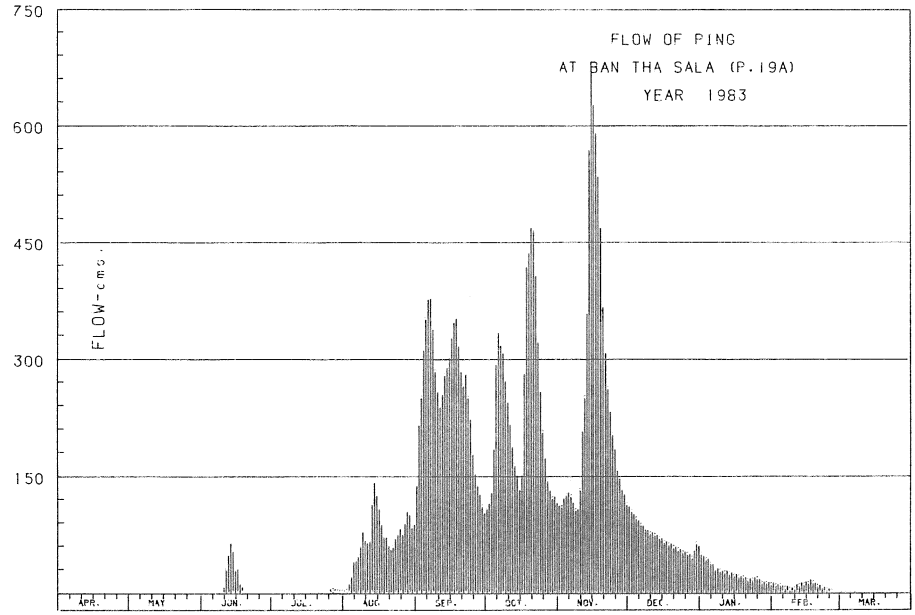
PING RIVER AT BAN THA SALA, CHIANG MAI (P.19A)

LOCATION	LAT. 18°-25'-29" N., LONG. 98°-42'-17" E., ON LEFT BANK ABOUT 300 METERS DOWNSTREAM FROM CONFLUENCE WITH LI RIVER, AMPHOE CHOM THONG, CHIANG MAI.
DRAINAGE AREA	14,023 SQ.KM.
TYPE OF GAGE	WATER-STAGE RECORDER.
ZERO GAGE AT BOTTOM	+271.351 M. (M.S.L.)
BENCH MARK	B.M.-H.D.
LOCATION	ABOUT 11 METERS FROM THE TOP OF STAFF GAGE.
ELEVATION	+276.620 M. (M.S.L.)
GAGE READING FREQUENCY	RECORDING.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 24 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1958 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1958 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1958 TO DATE.
STABILITY OF CHANNEL REGIMES	STABLE.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS FAIR. UPSTREAM STATE DIVERSIONS FOR IRRIGATION ABOUT 28,000 HECTARES AT ABOVE GAGE SITE. STAGE-DISCHARGE RELATION DEFINED BY 67 DISCHARGE MEASUREMENTS MADE IN 1983.

GAGE HEIGHT IN METER (MSL), WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	271.96	271.93	271.95	272.00	272.21	273.50	273.27	273.28	273.27	272.73	272.25	271.96	
2	271.95	271.92	271.95	272.00	272.24	274.00	273.30	273.28	273.24	272.68	272.23	271.96	
3	271.95	271.92	271.95	271.98	272.38	274.23	273.43	273.35	273.19	272.66	272.21	271.96	
4	271.95	271.91	271.92	271.99	272.59	274.57	273.80	273.40	273.16	272.64	272.23	271.96	
5	271.94	271.90	271.90	271.99	272.79	274.80	274.48	273.41	273.12	272.60	272.18	271.95	
6	271.94	271.90	271.89	271.99	272.85	274.91	274.70	273.39	273.09	272.56	272.16	271.95	
7	271.94	271.90	271.90	271.98	272.86	274.93	274.63	273.31	273.06	272.52	272.17	271.94	
8	271.94	271.89	272.04	271.98	273.02	274.72	274.55	273.25	273.04	272.50	272.13	271.94	
9	271.93	271.88	272.12	271.97	273.15	274.43	274.36	273.24	273.01	272.49	272.12	271.94	
10	271.93	271.88	272.29	271.98	273.09	274.26	274.18	273.45	272.99	272.46	272.14	271.94	
11	271.93	271.88	272.71	271.99	273.03	274.17	274.03	273.95	272.98	272.46	272.21	271.93	
12	271.93	271.87	272.88	271.99	273.08	274.24	273.82	274.23	272.97	272.46	272.22	271.93	
13	271.93	271.87	273.06	271.99	273.41	274.40	273.68	274.82	272.95	272.45	272.25	271.92	
14	271.93	271.86	272.93	271.99	273.61	274.44	273.57	275.59	272.93	272.43	272.24	271.92	
15	271.94	271.86	272.71	271.98	273.49	274.53	273.46	275.86	272.91	272.41	272.27	271.91	
16	271.93	271.88	272.69	271.96	273.28	274.66	273.57	275.75	272.88	272.41	272.27	271.90	
17	271.92	271.88	272.46	271.98	273.07	274.78	274.41	275.64	272.87	272.39	272.31	271.89	
18	271.92	271.88	272.30	271.97	272.95	274.79	275.09	275.49	272.85	272.37	272.29	271.88	
19	271.92	271.86	272.19	271.95	272.92	274.62	275.17	275.27	272.84	272.38	272.24	271.87	
20	271.92	271.84	272.14	271.96	272.84	274.41	275.27	274.88	272.82	272.35	272.21	271.86	
21	271.91	271.80	272.11	272.07	272.76	274.32	275.27	274.55	272.80	272.33	272.19	271.85	
22	271.91	271.79	272.09	272.10	272.82	274.39	275.04	274.30	272.79	272.33	272.17	271.86	
23	271.91	271.77	272.07	272.12	272.90	274.23	274.65	274.11	272.77	272.34	272.14	271.86	
24	271.91	271.75	272.05	272.09	272.98	274.05	274.26	273.94	272.75	272.35	272.11	271.86	
25	271.92	271.76	272.04	272.12	273.02	273.78	273.96	273.80	272.74	272.36	272.08	271.85	
26	271.92	271.77	272.04	272.24	272.98	273.58	273.72	273.63	272.73	272.32	272.05	271.85	
27	271.91	271.79	272.08	272.26	273.08	273.50	273.54	273.54	272.71	272.28	272.02	271.85	
28	271.91	271.93	272.08	272.24	273.24	273.39	273.43	273.46	272.68	272.27	271.98	271.85	
29	271.93	271.95	272.09	272.23	273.18	273.29	273.37	273.39	272.75	272.28	271.97	271.84	
30	271.95	271.93	272.05	272.22	273.06	273.20	273.37	273.31	272.86	272.26		271.83	
31		271.93		272.21	273.07		273.33		272.81	272.25		271.83	
MEAN	271.93	271.87	272.22	272.05	272.97	274.24	274.09	274.10	272.92	272.43	272.17	271.90	
MAX	271.96	271.95	273.06	272.26	273.61	274.93	275.27	275.86	273.27	272.73	272.31	271.96	275.86
MIN	271.91	271.75	271.89	271.95	272.21	273.20	273.27	273.24	272.68	272.25	271.97	271.83	271.75

ANNUAL MAX MOMENTARY GAGE HEIGHT 275.91 M (MSL), AT 1.00 HOURS, ON NOV 15, 1983
ZERO GAGE AT BOTTOM ELEVATION 271.35 M (MSL), RIVER BED 271.00 M (MSL)
LEFT BANK ELEVATION 277.12 M (MSL)
RIGHT BANK ELEVATION 276.29 M (MSL), DRAINAGE AREA 14023 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.66	0.42	0.58	0.98	4.40	141.00	111.40	112.60	111.40	53.00	14.00	2.38	
2	0.58	0.34	0.58	0.98	5.60	215.50	115.00	112.60	107.80	48.20	12.80	2.38	
3	0.58	0.34	0.58	0.82	11.60	253.10	131.90	121.50	101.85	46.40	11.60	2.38	
4	0.58	0.26	0.34	0.90	23.90	311.25	184.50	128.00	98.40	44.60	12.80	2.38	
5	0.50	0.18	0.18	0.90	40.10	354.00	295.60	129.30	93.80	41.00	10.06	2.10	
6	0.50	0.18	0.16	0.90	45.75	376.30	334.00	126.70	90.40	37.60	9.12	2.10	
7	0.50	0.18	0.18	0.82	46.70	380.90	321.75	116.30	87.10	34.20	9.59	1.82	
8	0.50	0.16	1.39	0.82	63.30	338.00	307.75	109.00	84.90	32.50	7.71	1.82	
9	0.42	0.14	2.40	0.74	78.75	287.10	275.20	107.80	81.60	31.70	7.24	1.82	
10	0.42	0.14	7.60	0.82	71.35	258.20	244.60	134.50	79.45	29.30	8.18	1.82	
11	0.42	0.14	32.90	0.90	64.45	242.90	220.15	207.75	78.40	29.30	11.60	1.54	
12	0.42	0.13	48.60	0.90	70.20	254.80	187.60	253.10	77.35	29.30	12.20	1.54	
13	0.42	0.13	67.90	0.90	113.95	282.00	167.10	358.00	75.25	28.50	14.00	1.26	
14	0.42	0.11	53.65	0.90	145.70	288.80	151.15	571.60	73.15	26.90	13.40	1.26	
15	0.50	0.11	32.90	0.82	125.55	304.25	135.80	672.41	71.05	25.30	15.20	0.98	
16	0.42	0.14	31.25	0.66	112.60	327.00	151.15	630.50	68.00	25.30	15.20	0.70	
17	0.34	0.14	16.10	0.82	88.20	350.00	283.70	589.80	67.00	23.75	17.75	0.63	
18	0.34	0.14	8.00	0.74	75.25	352.00	417.70	537.61	65.00	22.25	16.40	0.56	
19	0.34	0.11	3.80	0.58	72.10	320.00	439.60	468.31	64.00	23.00	13.40	0.49	
20	0.34	0.07	2.80	0.66	64.00	283.70	468.31	370.00	62.00	20.75	11.60	0.42	
21	0.26	0.00	2.20	1.69	56.00	268.40	468.31	307.75	60.00	19.25	10.53	0.35	
22	0.26	0.00	1.90	2.00	62.00	280.30	406.20	265.00	59.00	19.25	9.59	0.42	
23	0.26	0.00	1.69	2.40	70.00	253.10	325.25	232.70	57.00	20.00	8.18	0.42	
24	0.26	0.00	1.49	1.90	78.40	223.25	258.20	206.20	55.00	20.75	6.77	0.42	
25	0.34	0.00	1.39	2.40	82.70	181.60	209.30	184.50	54.00	21.50	5.74	0.35	
26	0.34	0.00	1.39	5.60	78.40	152.60	172.90	159.85	53.00	18.50	4.90	0.35	
27	0.26	0.00	1.80	6.40	89.30	141.00	146.80	146.80	51.00	15.80	4.06	0.35	
28	0.26	0.42	1.80	5.60	107.80	126.70	131.90	135.80	48.20	15.20	2.94	0.35	
29	0.42	0.58	1.90	5.20	100.70	113.80	124.10	126.70	55.00	15.80	2.66	0.28	
30	0.58	0.42	1.49	4.80	87.10	103.00	124.10	116.30	66.00	14.60		0.21	
31		0.42		4.40	88.20		118.90		61.00	14.00		0.21	
TOTAL	12.44	5.40	328.94	58.95	2224.05	7764.55	7429.92	7738.98	2257.10	847.50	299.22	34.09	29001.14 CMSDAY
MEAN	0.41	0.17	10.96	1.90	71.74	258.82	239.67	257.97	72.81	27.34	10.32	1.10	79.24 CMS
MAX	0.66	0.58	67.90	6.40	145.70	380.90	468.31	672.41	111.40	53.00	17.75	2.38	672.41 CMS
MIN	0.26	0.00	0.16	0.58	4.40	103.00	111.40	107.80	48.20	14.00	2.66	0.21	0.00 CMS
RUNOFF	1.075	0.467	28.420	5.093	192.158	670.857	641.945	668.648	195.013	73.224	25.853	2.945	2505.699 MCM

MOMENTARY PEAK 692.30 CMS, AT 275.91 M (MSL), AT 1.00 HOURS, ON NOV 15, 1983

RUNOFF YIELD 5.65 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 49.37 LITERS/SECOND/SQUARE KM

WATER YEAR 1983

PING RIVER BASIN

PING RIVER AT CHIANG DAO, CHIANG MAI (P.20)

LOCATION — LAT. 19°-22'-06" N., LONG. 98°-58'-20" E., ON RIGHT BANK NEAR WAT INTHRA RAM, AMPHOE CHIANG DAO, CHIANG MAI.

DRAINAGE AREA — 1,355 SQ.KM.

TYPE OF GAGE — WATER-STAGE RECORDER.

ZERO GAGE AT BOTTOM — +0.00 M. (A.D.)

BENCH MARK — B.M.-H.D.

LOCATION — ABOUT 2 METERS FROM AUTOMATIC GAGE BUILDING.

ELEVATION — +4.133 M. (A.D.)

GAGE READING FREQUENCY — RECORDING.

BASIS OF MEAN DAILY GAGE HEIGHT — ARITHMETIC MEAN OF 24 READINGS.

PERIOD OF AVAILABLE GAGE RECORDS — 1954 TO DATE.

RATING OPERATION

PERIOD OF RATING — 1979 - 1982

RATED BY FLOAT — -

RATED BY CURRENT METER — 1979 - 1982

STABILITY OF CHANNEL REGIMES — FAIRLY STABLE.

OVERBANK FLOW CONDITIONS — NO OVERBANK FLOW.

GENERAL DESCRIPTION — RECORDS GOOD. STAGE-DISCHARGE RELATION DEFINED BY 23 DISCHARGE MEASUREMENTS MADE DURING 1979 - 1982.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

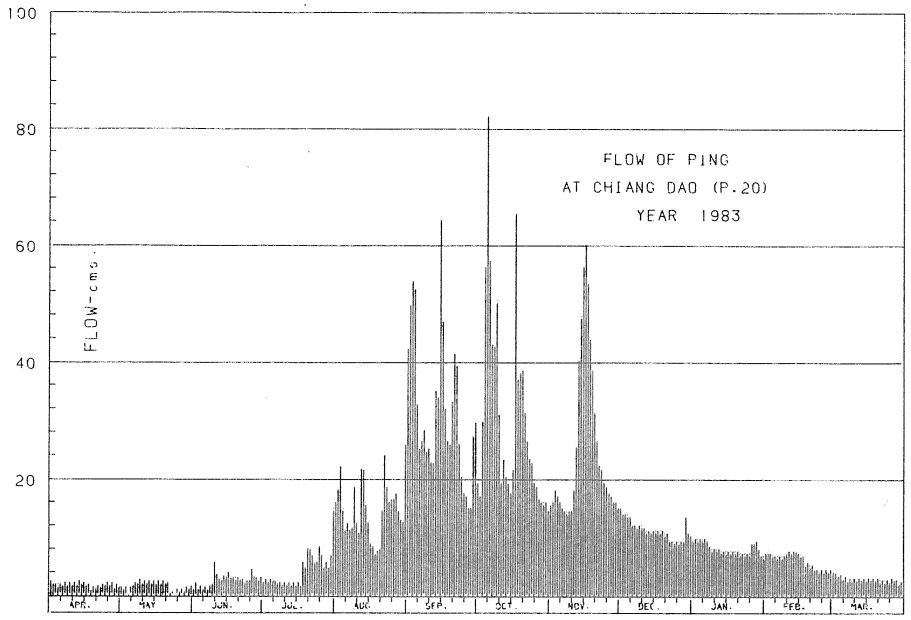
DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.63	0.59	0.60	0.64	0.96	1.36	1.03	0.95	0.94	0.83	0.77	0.70	
2	0.63	0.59	0.62	0.64	1.01	1.44	0.98	0.97	0.93	0.83	0.78	0.68	
3	0.61	0.59	0.60	0.64	1.07	1.49	1.20	1.00	0.92	0.83	0.77	0.68	
4	0.61	0.54	0.60	0.64	0.94	1.47	1.51	0.99	0.92	0.83	0.77	0.67	
5	0.61	0.59	0.59	0.64	0.86	1.24	1.74	0.96	0.91	0.83	0.76	0.66	
6	0.62	0.62	0.59	0.63	0.90	1.12	1.52	0.95	0.89	0.83	0.76	0.66	
7	0.62	0.62	0.59	0.63	0.86	1.15	1.37	0.93	0.88	0.83	0.76	0.65	
8	0.62	0.63	0.60	0.62	0.88	1.17	1.36	0.93	0.88	0.80	0.76	0.65	
9	0.62	0.64	0.63	0.62	1.01	1.12	1.45	0.93	0.88	0.79	0.76	0.65	
10	0.62	0.63	0.73	0.62	0.90	1.12	1.21	0.94	0.88	0.79	0.78	0.65	
11	0.62	0.63	0.69	0.62	0.85	1.09	1.03	1.00	0.87	0.79	0.78	0.65	
12	0.62	0.63	0.64	0.62	1.07	1.08	1.09	1.13	0.86	0.79	0.78	0.65	
13	0.63	0.63	0.65	0.62	1.06	1.27	1.05	1.33	0.86	0.78	0.78	0.65	
14	0.63	0.63	0.66	0.62	0.96	1.25	1.02	1.42	0.86	0.78	0.79	0.65	
15	0.62	0.63	0.67	0.62	0.89	1.59	1.00	1.51	0.86	0.78	0.77	0.65	
16	0.62	0.63	0.68	0.62	0.82	1.41	1.06	1.55	0.86	0.78	0.77	0.65	
17	0.61	0.63	0.67	0.62	0.80	1.23	1.60	1.48	0.86	0.78	0.76	0.65	
18	0.59	0.63	0.65	0.73	0.78	1.14	1.29	1.38	0.86	0.78	0.73	0.65	
19	0.59	0.63	0.65	0.72	0.78	1.14	1.31	1.31	0.86	0.78	0.73	0.65	
20	0.60	0.63	0.65	0.79	0.80	1.24	1.31	1.22	0.85	0.78	0.72	0.65	
21	0.60	0.62	0.65	0.80	0.93	1.35	1.22	1.14	0.85	0.77	0.72	0.64	
22	0.61	0.56	0.64	0.76	1.11	1.32	1.14	1.08	0.83	0.77	0.71	0.64	
23	0.61	0.54	0.63	0.74	1.01	1.14	1.10	1.06	0.82	0.77	0.70	0.64	
24	0.62	0.54	0.63	0.73	0.97	1.04	1.08	1.03	0.82	0.77	0.70	0.64	
25	0.62	0.57	0.65	0.81	0.97	1.00	1.03	1.01	0.82	0.77	0.70	0.64	
26	0.62	0.57	0.70	0.76	0.98	0.98	1.01	1.00	0.82	0.81	0.70	0.65	
27	0.62	0.57	0.67	0.72	0.99	0.95	0.98	0.98	0.82	0.82	0.70	0.65	
28	0.60	0.57	0.65	0.73	0.94	0.94	0.96	0.97	0.83	0.82	0.70	0.64	
29	0.61	0.59	0.65	0.72	0.90	1.16	0.96	0.96	0.91	0.80	0.70	0.63	
30	0.61	0.60	0.65	0.76	0.90	1.19	0.96	0.95	0.86	0.76		0.63	
31		0.60		0.94	1.13		0.94		0.84	0.76		0.63	
MEAN	0.61	0.60	0.64	0.69	0.94	1.21	1.18	1.10	0.87	0.79	0.75	0.65	
MAX	0.63	0.64	0.73	0.94	1.13	1.59	1.74	1.55	0.94	0.83	0.79	0.70	1.74
MIN	0.59	0.54	0.59	0.62	0.78	0.94	0.94	0.93	0.82	0.76	0.70	0.63	0.54

ANNUAL MAX MOMENTARY GAGE HEIGHT — 1.83 M (A.D), AT 24.00 HOURS, ON SEP 3, 1983

ZERO GAGE AT BOTTOM ELEVATION — 0.00 M (A.D), RIVER BED -1.04 M (A.D)

LEFT BANK ELEVATION — 3.22 M (A.D)

RIGHT BANK ELEVATION — 5.69 M (A.D), DRAINAGE AREA 1355 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	2.67	1.62	1.80	2.96	16.10	42.70	19.87	15.60	15.10	9.95	7.43	4.70	
2	2.67	1.62	2.38	2.96	18.69	49.70	17.10	16.60	14.60	9.95	7.82	4.12	
3	2.09	1.62	1.80	2.96	22.23	54.33	30.30	18.10	14.10	9.95	7.43	4.12	
4	2.09	0.72	1.80	2.96	15.10	52.48	56.31	17.60	14.10	9.95	7.43	3.83	
5	2.09	1.62	1.62	2.96	11.30	33.28	82.60	16.10	13.60	9.95	7.04	3.54	
6	2.38	2.38	1.62	2.67	13.10	25.26	57.36	15.60	12.65	9.95	7.04	3.54	
7	2.38	2.38	1.62	2.67	11.30	27.15	43.53	14.60	12.20	9.95	7.04	3.25	
8	2.38	2.67	1.80	2.38	12.20	28.41	42.70	14.60	12.20	8.60	7.04	3.25	
9	2.38	2.96	2.67	2.38	18.69	25.26	50.63	14.60	12.20	8.21	7.04	3.25	
10	2.38	2.67	5.87	2.38	13.10	25.26	31.04	15.10	12.20	8.21	7.82	3.25	
11	2.38	2.67	4.41	2.38	10.85	23.41	19.87	18.10	11.75	8.21	7.82	3.25	
12	2.38	2.67	2.96	2.38	22.23	22.82	23.41	25.89	11.30	8.21	7.82	3.25	
13	2.67	2.67	3.25	2.38	21.64	35.52	21.05	40.23	11.30	7.82	7.82	3.25	
14	2.67	2.67	3.54	2.38	16.10	34.02	19.28	47.85	11.30	7.82	8.21	3.25	
15	2.38	2.67	3.83	2.38	12.65	64.75	18.10	56.31	11.30	7.82	7.43	3.25	
16	2.38	2.67	4.12	2.38	9.50	46.93	21.64	60.52	11.30	7.82	7.43	3.25	
17	2.09	2.67	3.83	2.38	8.60	32.54	65.80	53.40	11.30	7.82	7.04	3.25	
18	1.62	2.67	3.25	5.87	7.82	26.52	37.01	44.35	11.30	7.82	5.87	3.25	
19	1.62	2.67	3.25	5.48	7.82	26.52	38.58	38.58	11.30	7.82	5.87	3.25	
20	1.80	2.67	3.25	8.21	8.60	33.28	38.58	31.79	10.85	7.82	5.48	3.25	
21	1.80	2.38	3.25	8.60	14.60	41.88	31.79	26.52	10.85	7.43	5.48	2.96	
22	2.09	1.08	2.96	7.04	24.63	39.40	26.52	22.82	9.95	7.43	5.09	2.96	
23	2.09	0.72	2.67	6.26	18.69	26.52	24.00	21.64	9.50	7.43	4.70	2.96	
24	2.38	0.72	2.67	5.87	16.60	20.46	22.82	19.87	9.50	7.43	4.70	2.96	
25	2.38	1.26	3.25	9.05	16.60	18.10	19.87	18.69	9.50	7.43	4.70	2.96	
26	2.38	1.26	4.70	7.04	17.10	17.10	18.69	18.10	9.50	9.05	4.70	3.25	
27	2.38	1.26	3.83	5.48	17.60	15.60	17.10	17.10	9.50	9.50	4.70	3.25	
28	1.80	1.26	3.25	5.87	15.10	15.10	16.10	16.60	9.95	9.50	4.70	2.96	
29	2.09	1.62	3.25	5.48	13.10	27.78	16.10	16.10	13.60	8.60	4.70	2.67	
30	2.09	1.80	3.25	7.04	13.10	29.67	16.10	15.60	11.30	7.04		2.67	
31		1.80		15.10	25.89		15.10		10.40	7.04		2.67	
TOTAL	66.98	62.12	91.75	146.33	470.63	961.75	958.95	768.56	359.50	261.53	187.39	101.62	4437.11 CMSDAY
MEAN	2.23	2.00	3.06	4.72	15.18	32.06	30.93	25.62	11.60	8.44	6.46	3.28	12.12 CMS
MAX	2.67	2.96	5.87	15.10	25.89	64.75	82.60	60.52	15.10	9.95	8.21	4.70	82.60 CMS
MIN	1.62	0.72	1.62	2.38	7.82	15.10	15.10	14.60	9.50	7.04	4.70	2.67	0.72 CMS
RUNOFF	5.787	5.367	7.927	12.643	40.662	83.095	82.853	66.404	31.061	22.596	16.190	8.780	383.366 MCM

MOMENTARY PEAK 94.38 CMS, AT 1.83 M (A.D), AT 24.00 HOURS, ON SEP 3, 1983

RUNOFF YIELD 8.95 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 69.65 LITERS/SECOND/SQUARE KM

WATER YEAR 1983

PING RIVER BASIN

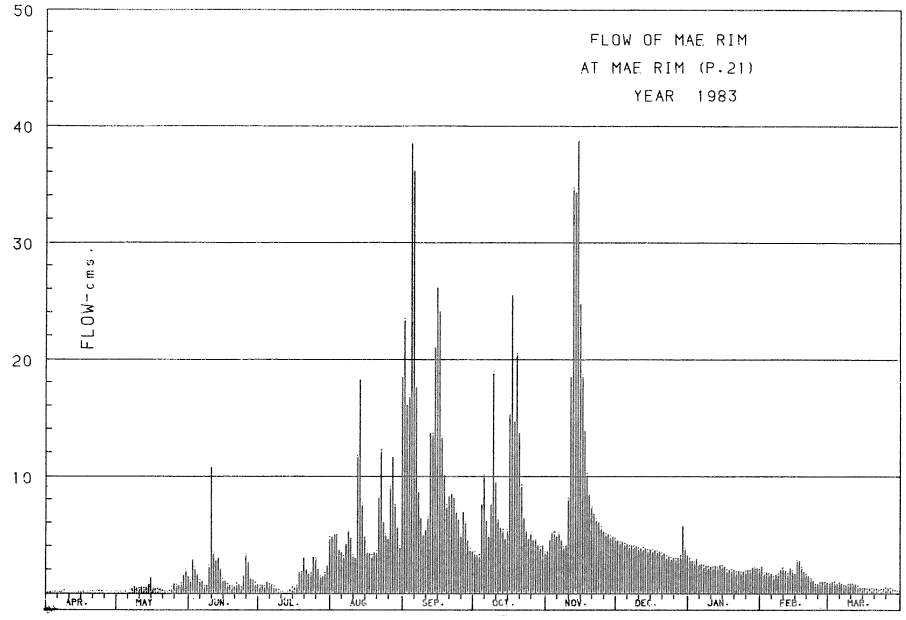
NAM MAE RIM NEAR MAE RIM, CHIANG MAI (P.21)

LOCATION	LAT. 18°-55'-29" N., LONG. 98°-56'-34" E., ON RIGHT BANK ABOUT 100 METERS DOWNSTREAM FROM THE BRIDGE OF CHIANG MAI-FANG HIGHWAY, AMPHOE MAE RIM, CHIANG MAI.
DRAINAGE AREA	515 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM	+319.70 M.(M.S.L.)
BENCH MARK	B.M.-H.D.
LOCATION	IN THE VICINITY OF GAGE OBSERVER'S HOUSE.
ELEVATION	+322.038 M. (M.S.L.)
GAGE READING FREQUENCY	5-TIME DAILY READINGS AT 06.00, 09.00, 12.00, 15.00 AND 18.00 HOURS.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 5 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1954 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1954-1960, 1977 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1954-1960, 1977 TO DATE.
STABILITY OF CHANNEL REGIMES	STABLE.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS GOOD. STAGE-DISCHARGE RELATION DEFINED BY 37 DISCHARGE MEASUREMENTS MADE IN 1983.

GAGE HEIGHT IN METER (MSL), WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	320.06	320.09	320.37	320.26	320.87	321.89	320.74	320.74	320.84	320.67	320.57	320.30	
2	320.06	320.08	320.65	320.26	320.91	321.59	320.70	320.86	320.83	320.64	320.50	320.33	
3	320.07	320.09	320.57	320.25	320.89	321.63	320.71	320.90	320.83	320.63	320.50	320.34	
4	320.07	320.09	320.46	320.33	320.78	322.30	321.10	320.91	320.82	320.66	320.49	320.29	
5	320.07	320.09	320.38	320.30	320.73	322.25	321.27	320.87	320.81	320.62	320.48	320.32	
6	320.05	320.14	320.35	320.27	320.70	321.66	320.99	320.91	320.80	320.60	320.44	320.30	
7	320.10	320.18	320.25	320.24	320.81	321.19	320.89	320.84	320.80	320.59	320.46	320.26	
8	320.13	320.22	320.26	320.17	320.93	321.01	321.10	320.79	320.80	320.58	320.48	320.26	
9	320.08	320.19	320.59	320.15	320.86	320.90	321.72	320.80	320.79	320.58	320.53	320.29	
10	320.08	320.20	321.31	320.12	320.71	320.92	321.23	321.14	320.78	320.57	320.56	320.30	
11	320.07	320.22	320.74	320.10	320.67	321.02	321.00	321.70	320.77	320.57	320.52	320.31	
12	320.07	320.20	320.64	320.09	321.37	321.47	320.94	322.21	320.78	320.58	320.49	320.28	
13	320.07	320.21	320.70	320.10	321.69	321.47	320.93	322.20	320.77	320.57	320.55	320.25	
14	320.04	320.33	320.54	320.14	321.11	321.80	320.85	322.31	320.76	320.59	320.53	320.23	
15	320.07	320.41	320.40	320.21	320.87	321.98	320.93	321.93	320.76	320.59	320.48	320.19	
16	320.08	320.23	320.35	320.19	320.75	321.91	321.55	321.71	320.76	320.57	320.65	320.20	
17	320.07	320.18	320.30	320.26	320.72	321.46	321.96	321.48	320.75	320.54	320.64	320.18	
18	320.07	320.18	320.26	320.50	320.71	321.27	321.52	321.28	320.75	320.53	320.57	320.18	
19	320.09	320.17	320.24	320.51	320.73	321.10	321.78	321.16	320.74	320.54	320.51	320.19	
20	320.10	320.13	320.22	320.67	320.75	321.15	321.47	321.09	320.73	320.53	320.48	320.18	
21	320.10	320.12	320.31	320.56	321.14	321.18	321.22	321.04	320.72	320.51	320.44	320.17	
22	320.12	320.09	320.28	320.47	321.40	321.14	321.01	321.01	320.70	320.52	320.40	320.15	
23	320.12	320.13	320.22	320.49	320.98	321.06	320.93	320.98	320.69	320.51	320.35	320.17	
24	320.11	320.23	320.44	320.68	320.90	321.00	320.85	320.95	320.68	320.51	320.29	320.18	
25	320.11	320.29	320.72	320.67	320.85	320.89	320.91	320.91	320.67	320.52	320.29	320.21	
26	320.09	320.28	320.62	320.54	321.21	321.05	320.84	320.90	320.67	320.53	320.32	320.19	
27	320.09	320.25	320.44	320.45	321.36	320.99	320.87	320.89	320.67	320.53	320.34	320.20	
28	320.09	320.31	320.37	320.43	321.10	320.84	320.80	320.88	320.70	320.56	320.33	320.16	
29	320.09	320.45	320.33	320.50	320.94	320.77	320.79	320.87	320.95	320.58	320.32	320.13	
30	320.09	320.54	320.28	320.58	320.80	320.74	320.80	320.86	320.78	320.55		320.13	
31		320.43		320.87	321.70		320.74		320.70	320.54		320.11	
MEAN	320.08	320.22	320.45	320.37	320.97	321.32	321.07	321.17	320.76	320.57	320.47	320.23	
MAX	320.13	320.54	321.31	320.87	321.70	322.30	321.96	322.31	320.95	320.67	320.65	320.34	322.31
MIN	320.04	320.08	320.22	320.09	320.67	320.74	320.70	320.74	320.67	320.51	320.29	320.11	320.04

ANNUAL MAX MOMENTARY GAGE HEIGHT 322.38 M (MSL), AT 15.00 HOURS, ON SEP 4, 1983
ZERO GAGE AT BOTTOM ELEVATION 319.70 M (MSL), RIVER BED 319.36 M (MSL)
LEFT BANK ELEVATION 323.05 M (MSL)
RIGHT BANK ELEVATION 323.08 M (MSL), DRAINAGE AREA 515 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.14	0.19	1.17	0.71	4.84	23.52	3.59	3.59	4.52	3.03	2.29	0.85	
2	0.14	0.17	2.88	0.71	5.27	16.10	3.25	4.73	4.42	2.80	1.80	0.99	
3	0.16	0.19	2.29	0.68	5.05	16.96	3.34	5.15	4.42	2.72	1.80	1.03	
4	0.16	0.19	1.60	0.99	3.93	38.50	7.60	5.27	4.31	2.95	1.75	0.82	
5	0.16	0.19	1.21	0.85	3.51	36.40	10.12	4.84	4.21	2.65	1.70	0.94	
6	0.13	0.32	1.08	0.75	3.25	17.62	6.19	5.27	4.10	2.50	1.50	0.85	
7	0.20	0.44	0.68	0.64	4.21	8.86	5.05	4.52	4.10	2.43	1.60	0.71	
8	0.29	0.57	0.71	0.41	5.50	6.43	7.60	4.02	4.10	2.36	1.70	0.71	
9	0.17	0.47	2.43	0.35	4.73	5.15	19.00	4.10	4.02	2.36	2.01	0.82	
10	0.17	0.50	10.77	0.26	3.34	5.38	9.48	8.16	3.93	2.29	2.22	0.85	
11	0.16	0.57	3.59	0.20	3.03	6.56	6.30	18.50	3.85	2.29	1.94	0.90	
12	0.16	0.50	2.80	0.19	11.79	13.70	5.61	34.72	3.93	2.36	1.75	0.78	
13	0.16	0.54	3.25	0.20	18.28	13.70	5.50	34.30	3.85	2.29	2.15	0.68	
14	0.11	0.99	2.08	0.32	7.74	21.00	4.63	38.95	3.76	2.43	2.01	0.61	
15	0.16	1.35	1.30	0.54	4.84	26.36	5.50	24.76	3.76	2.43	1.70	0.47	
16	0.17	0.61	1.08	0.47	3.68	24.12	15.30	18.75	3.76	2.29	2.88	0.50	
17	0.16	0.44	0.85	0.71	3.42	13.50	25.72	13.90	3.68	2.08	2.80	0.44	
18	0.16	0.44	0.71	1.80	3.34	10.12	14.70	10.28	3.68	2.01	2.29	0.44	
19	0.19	0.41	0.64	1.87	3.51	7.60	20.50	8.44	3.59	2.08	1.87	0.47	
20	0.20	0.29	0.57	3.03	3.68	8.30	13.70	7.47	3.51	2.01	1.70	0.44	
21	0.20	0.26	0.90	2.22	8.16	8.72	9.32	6.82	3.42	1.87	1.50	0.41	
22	0.26	0.19	0.78	1.65	12.30	8.16	6.43	6.43	3.25	1.94	1.30	0.35	
23	0.26	0.29	0.57	1.75	6.07	7.08	5.50	6.07	3.17	1.87	1.08	0.41	
24	0.23	0.61	1.50	3.10	5.15	6.30	4.63	5.73	3.10	1.87	0.82	0.44	
25	0.23	0.82	3.42	3.03	4.63	5.05	5.27	5.27	3.03	1.94	0.82	0.54	
26	0.19	0.78	2.65	2.08	9.16	6.95	4.52	5.15	3.03	2.01	0.94	0.47	
27	0.19	0.68	1.50	1.55	11.62	6.19	4.84	5.05	3.03	2.01	1.03	0.50	
28	0.19	0.90	1.17	1.45	7.60	4.52	4.10	4.94	3.25	2.22	0.99	0.38	
29	0.19	1.55	0.99	1.80	5.61	3.85	4.02	4.84	5.73	2.36	0.94	0.29	
30	0.19	2.08	0.78	2.36	4.10	3.59	4.10	4.73	3.93	2.15		0.29	
31		1.45		4.84	18.50		3.59		3.25	2.08		0.23	
TOTAL	5.48	18.98	55.95	41.51	199.84	380.29	249.00	314.75	117.69	70.68	48.88	18.61	1521.66 CMSDAY
MEAN	0.18	0.61	1.87	1.34	6.45	12.68	8.03	10.49	3.80	2.28	1.69	0.60	4.16 CMS
MAX	0.29	2.08	10.77	4.84	18.50	38.50	25.72	38.95	5.73	3.03	2.88	1.03	38.95 CMS
MIN	0.11	0.17	0.57	0.19	3.03	3.59	3.25	3.59	3.03	1.87	0.82	0.23	0.11 CMS
RUNOFF	0.473	1.640	4.834	3.586	17.266	32.857	21.514	27.194	10.168	6.107	4.223	1.608	131.471 MCM

MOMENTARY PEAK 42.10 CMS, AT 322.38 M (MSL), AT 15.00 HOURS, ON SEP 4, 1983

RUNOFF YIELD 8.07 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 81.75 LITERS/SECOND/SQUARE KM

WATER YEAR 1983

PING RIVER BASIN

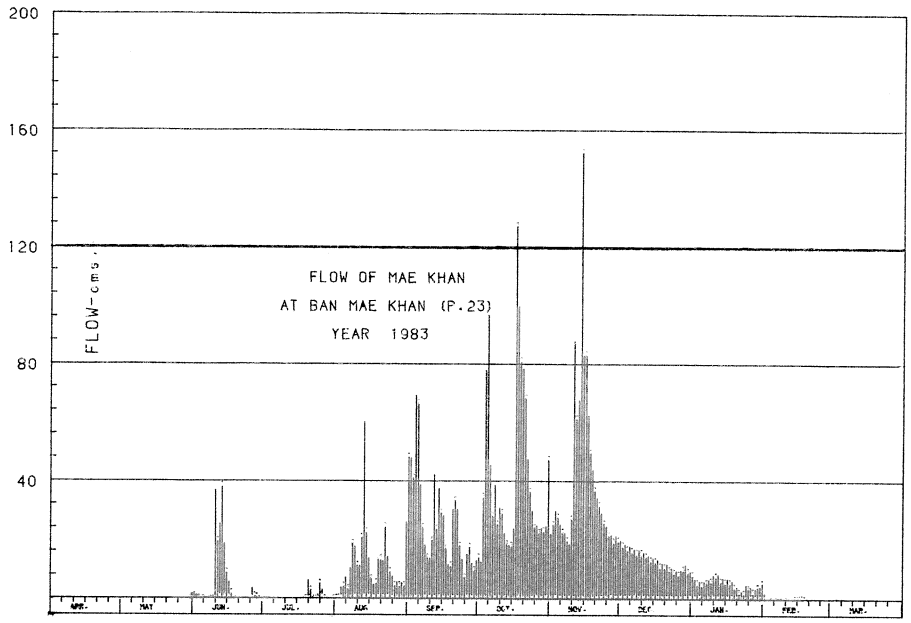
NAM MAE KHAN AT BAN MAE KHAN, CHIANG MAI (P.23)

LOCATION	LAT. 18°-31'-37" N., LONG. 98°-51'-42" E., ON LEFT BANK DOWNSTREAM AT THE BRIDGE ON HIGHWAY, AMPHOE SAN PA TONG, CHIANG MAI.
DRAINAGE AREA	1,777 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM	+285.622 M. (M.S.L.)
BENCH MARK	B.M.-H.D.
LOCATION	ABOUT 10 METERS FROM THE TOP OF STAFF GAGE.
ELEVATION	+289.483 M. (M.S.L.)
GAGE READING FREQUENCY	5-TIME DAILY READINGS AT 06.00, 09.00, 12.00, 15.00 AND 18.00 HOURS.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 5 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1954 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1954-1960, 1967, 1969 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1954-1960, 1967, 1969 TO DATE.
STABILITY OF CHANNEL REGIMES	FAIRLY STABLE WITH VARIABLE WATER SURFACE SLOPE.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS FAIR. FLOW REGULATED BY THE WEIR BUILT BY THE LOCAL RESIDENTS. STAGE-DISCHARGE RELATION DEFINED BY 35 DISCHARGE MEASUREMENTS MADE IN 1983.

GAGE HEIGHT IN METER (MSL), WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	286.54	286.33	287.08	286.72	287.02	288.09	287.49	287.06	286.99	286.62	286.30	286.62	
2	286.54	286.35	287.02	286.72	287.02	288.07	287.43	287.19	286.97	286.52	286.32	286.70	
3	286.53	286.37	287.01	286.70	287.18	287.98	287.87	287.29	286.95	286.51	286.71	286.68	
4	286.53	286.34	286.99	286.67	287.24	288.37	288.48	287.26	286.93	286.49	286.84	286.71	
5	286.53	286.32	286.94	286.66	287.30	288.35	288.70	287.16	286.93	286.48	286.82	286.74	
6	286.53	286.43	286.85	286.64	287.21	287.92	288.03	287.11	286.91	286.48	286.80	286.74	
7	286.53	286.45	286.79	286.62	287.38	287.69	287.76	287.07	286.90	286.51	286.78	286.73	
8	286.52	286.47	286.90	286.62	287.58	287.55	287.92	287.02	286.89	286.51	286.77	286.72	
9	286.52	286.47	286.86	286.61	287.54	287.49	287.71	286.95	286.89	286.53	286.78	286.72	
10	286.52	286.45	287.89	286.60	287.43	287.46	287.79	287.24	286.89	286.57	286.82	286.60	
11	286.52	286.45	287.60	286.59	287.40	287.60	287.78	288.41	286.86	286.60	286.80	286.56	
12	286.52	286.45	287.69	286.59	287.62	287.98	287.63	288.01	286.85	286.58	286.89	286.51	
13	286.52	286.45	287.93	286.61	288.25	287.68	287.58	288.10	286.82	286.53	286.89	286.50	
14	286.52	286.47	287.56	286.60	287.66	287.90	287.55	289.60	286.80	286.53	286.99	286.50	
15	286.52	286.46	287.37	286.62	287.46	287.78	287.57	288.34	286.79	286.52	286.99	286.50	
16	286.52	286.46	287.25	286.63	287.32	287.74	287.66	288.36	286.79	286.52	287.01	286.49	
17	286.52	286.46	287.14	286.75	287.22	287.55	289.13	288.01	286.77	286.51	287.03	286.49	
18	286.52	286.45	287.00	286.86	287.28	287.41	288.57	287.79	286.73	286.49	286.97	286.48	
19	286.52	286.44	286.91	286.97	287.45	287.43	288.33	287.64	286.73	286.44	286.85	286.48	
20	286.51	286.43	286.86	287.27	287.48	287.78	288.27	287.50	286.72	286.40	286.82	286.49	
21	286.50	286.40	286.82	287.19	287.44	287.85	288.13	287.41	286.72	286.36	286.79	286.49	
22	286.50	286.35	286.77	287.00	287.69	287.78	287.72	287.37	286.68	286.33	286.77	286.48	
23	286.49	286.30	286.80	286.95	287.47	287.57	287.49	287.27	286.67	286.35	286.75	286.46	
24	286.49	286.27	286.76	287.03	287.38	287.45	287.29	287.20	286.65	286.43	286.68	286.44	
25	286.48	285.62	286.93	287.27	287.31	287.33	287.16	287.14	286.63	286.42	286.66	286.43	
26	286.46	285.62	287.17	287.14	287.25	287.49	287.15	287.08	286.62	286.40	286.67	286.42	
27	286.44	286.49	287.08	286.97	287.25	287.56	287.11	287.05	286.64	286.37	286.64	286.42	
28	286.40	286.59	287.06	286.91	287.25	287.42	287.12	287.01	286.69	286.37	286.60	286.41	
29	286.37	286.69	286.86	286.89	287.24	287.39	287.13	287.04	286.71	286.44	286.60	286.41	
30	286.35	287.00	286.77	286.97	287.25	287.44	287.14	287.02	286.66	286.40		286.41	
31		287.05		286.97	287.70		287.74		286.62	286.50		286.40	
MEAN	286.50	286.42	287.09	286.82	287.40	287.70	287.76	287.49	286.79	286.47	286.77	286.54	
MAX	286.54	287.05	287.93	287.27	288.25	288.37	289.13	289.60	286.99	286.62	287.03	286.74	289.60
MIN	286.35	285.62	286.76	286.59	287.02	287.33	287.11	286.95	286.62	286.33	286.30	286.40	285.62

ANNUAL MAX MOMENTARY GAGE HEIGHT 289.72 M (MSL), AT 6.00 HOURS, ON NOV 14, 1983
ZERO GAGE AT BOTTOM ELEVATION 285.62 M (MSL), RIVER BED 285.66 M (MSL)
LEFT BANK ELEVATION 291.64 M (MSL)
RIGHT BANK ELEVATION 291.67 M (MSL), DRAINAGE AREA 1777 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.04	0.00	1.97	0.35	1.28	49.35	15.16	22.12	19.88	9.40	2.00	0.12	
2	0.04	0.01	1.28	0.35	1.28	48.05	12.52	26.28	19.24	6.90	0.00	0.30	
3	0.03	0.01	1.17	0.30	3.80	42.30	35.70	29.93	18.60	6.65	0.32	0.25	
4	0.03	0.00	1.02	0.23	5.40	69.25	77.90	28.82	17.96	6.18	0.65	0.32	
5	0.03	0.00	0.90	0.21	7.20	67.75	96.50	25.32	17.96	5.96	0.60	0.40	
6	0.03	0.01	0.68	0.16	4.50	38.70	45.45	23.72	17.32	5.96	0.55	0.40	
7	0.03	0.01	0.53	0.12	10.40	25.48	29.30	22.44	17.00	6.65	0.50	0.37	
8	0.03	0.02	0.80	0.12	19.76	18.20	38.70	20.84	16.72	6.65	0.47	0.35	
9	0.03	0.02	0.70	0.09	17.68	15.16	26.55	18.60	16.72	7.15	0.50	0.35	
10	0.03	0.01	36.90	0.07	12.52	13.84	30.95	28.08	16.72	8.15	0.60	0.07	
11	0.03	0.01	20.80	0.06	11.20	20.80	30.40	87.93	15.88	8.90	0.55	0.05	
12	0.03	0.01	25.48	0.06	21.84	42.30	22.36	62.57	15.60	8.40	0.77	0.03	
13	0.03	0.01	39.30	0.09	60.25	24.96	19.76	67.70	14.76	7.15	0.77	0.02	
14	0.03	0.02	18.72	0.07	23.92	37.50	18.20	153.50	14.20	7.15	1.02	0.02	
15	0.03	0.02	10.00	0.12	13.84	30.40	19.24	83.06	13.92	6.90	1.02	0.02	
16	0.03	0.02	5.70	0.14	8.00	28.20	23.92	84.44	13.92	6.90	1.17	0.02	
17	0.03	0.02	3.00	0.43	4.80	18.20	128.30	62.57	13.36	6.65	1.39	0.02	
18	0.03	0.01	1.05	0.70	6.60	11.64	99.75	50.92	12.24	6.18	0.98	0.02	
19	0.03	0.01	0.83	0.98	13.40	12.52	82.37	43.96	12.24	5.08	0.68	0.02	
20	0.03	0.01	0.70	6.30	14.72	30.40	78.41	38.00	11.96	4.20	0.60	0.02	
21	0.02	0.01	0.60	4.00	12.96	34.50	69.59	34.40	11.96	3.32	0.53	0.02	
22	0.02	0.01	0.47	1.05	25.48	30.40	47.56	32.89	10.90	2.66	0.47	0.02	
23	0.02	0.00	0.55	0.92	14.28	19.24	37.60	29.19	10.65	3.10	0.43	0.02	
24	0.02	0.00	0.45	1.39	10.40	13.40	29.93	26.60	10.15	4.86	0.25	0.01	
25	0.02	0.00	0.87	6.30	7.60	8.40	25.32	24.68	9.65	4.64	0.21	0.01	
26	0.02	0.00	3.60	3.00	5.70	15.16	25.00	22.76	9.40	4.20	0.23	0.01	
27	0.01	0.02	1.97	0.98	5.70	18.72	23.72	21.80	9.90	3.54	0.16	0.01	
28	0.01	0.06	1.74	0.83	5.70	12.08	24.04	20.52	11.15	3.54	0.07	0.01	
29	0.01	0.28	0.70	0.77	5.40	10.80	24.36	21.48	11.68	5.08	0.07	0.01	
30	0.01	1.05	0.47	0.98	5.70	12.96	24.68	20.84	10.40	4.20		0.01	
31		1.62		0.98	26.00		48.52		9.40	6.40		0.01	
TOTAL	0.78	3.28	182.95	32.15	387.31	820.66	1311.76	1235.96	431.44	182.70	17.56	3.31	4609.86 CMSDAY
MEAN	0.03	0.11	6.10	1.04	12.49	27.36	42.31	41.20	13.92	5.89	0.61	0.11	12.60 CMS
MAX	0.04	1.62	39.30	6.30	60.25	69.25	128.30	153.50	19.88	9.40	2.00	0.40	153.50 CMS
MIN	0.01	0.00	0.45	0.06	1.28	8.40	12.52	18.60	9.40	2.66	0.00	0.01	0.00 CMS
RUNOFF	0.067	0.283	15.807	2.778	33.464	70.905	113.336	106.787	37.276	15.785	1.517	0.286	398.292 MCM

MOMENTARY PEAK 168.50 CMS, AT 289.72 M (MSL), AT 6.00 HOURS, ON NOV 14, 1983

RUNOFF YIELD 7.09 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 94.82 LITERS/SECOND/SQUARE KM

WATER YEAR 1983

PING RIVER BASIN

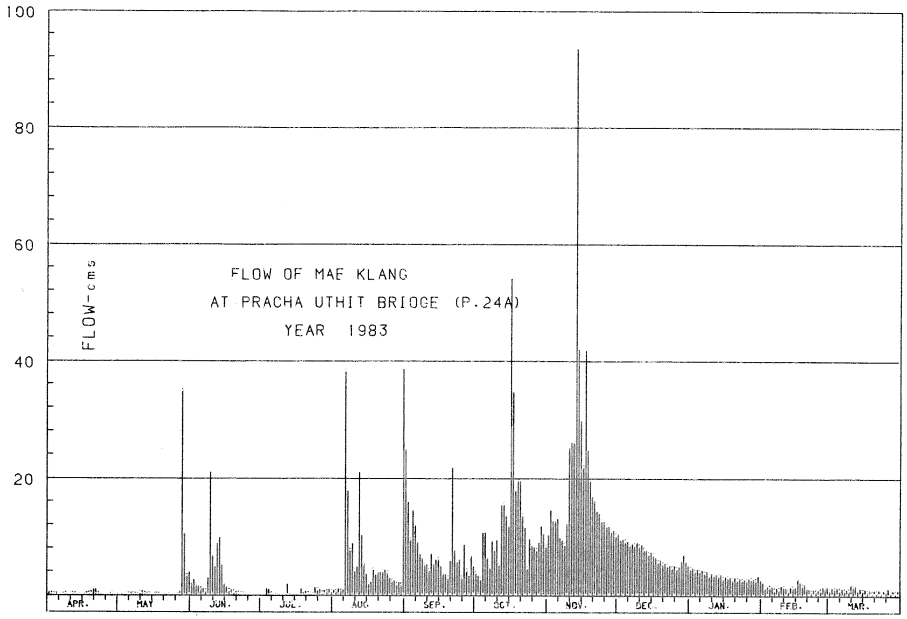
NAM MAE KLANG AT CHOM THONG, CHIANG MAI (P.24A)

LOCATION	LAT. 18°-25'-01" N., LONG. 98°-40'-29" E., ON LEFT BANK AT PRACHA UTHIT BRIDGE, AMPHOE CHOM THONG, CHIANG MAI.
DRAINAGE AREA	460 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM	+274.693 M. (M.S.L.)
BENCH MARK	B.M.-H.D.
LOCATION	B.M.1 NEAR THE GAGE OBSERVER'S HOUSE, B.M.2 ON LEFT BANK AT ABUTMENT.
ELEVATION	B.M.1 =+277.954 M. (M.S.L.), B.M.2 =+280.309 M. (M.S.L.)
GAGE READING FREQUENCY	5-TIME DAILY READINGS AT 06.00, 09.00, 12.00, 15.00 AND 18.00 HOURS.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 5 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1973 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1973 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1973 TO DATE.
STABILITY OF CHANNEL REGIMES	STABLE
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS GOOD. STAGE-DISCHARGE RELATION DEFINED BY 73 DISCHARGE MEASUREMENTS MADE IN 1983.

GAGE HEIGHT IN METER (MSL), WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	275.42	275.37	275.61	275.37	275.46	276.65	275.72	276.03	276.04	275.76	275.59	275.50	
2	275.43	275.37	275.62	275.37	275.48	276.28	275.67	276.24	276.01	275.75	275.54	275.51	
3	275.42	275.37	275.57	275.53	275.49	276.01	275.66	276.14	276.00	275.74	275.53	275.52	
4	275.41	275.42	275.53	275.48	275.48	276.22	276.05	276.16	276.00	275.74	275.55	275.51	
5	275.40	275.42	275.51	275.43	275.47	276.13	276.07	276.16	275.98	275.74	275.53	275.51	
6	275.39	275.41	275.49	275.40	277.10	275.97	275.83	276.03	275.97	275.73	275.51	275.50	
7	275.41	275.42	275.48	275.39	276.36	275.90	275.77	275.99	275.96	275.72	275.51	275.50	
8	275.42	275.41	275.64	275.37	275.92	275.83	275.98	275.97	275.97	275.72	275.52	275.48	
9	275.41	275.41	276.51	275.36	275.96	275.79	275.92	276.12	275.97	275.70	275.54	275.50	
10	275.42	275.45	275.85	275.36	275.74	275.78	275.99	276.66	275.96	275.70	275.55	275.55	
11	275.43	275.45	275.78	275.38	275.76	275.74	275.79	276.68	275.95	275.70	275.51	275.55	
12	275.42	275.43	275.96	275.56	276.51	275.87	276.26	276.69	275.93	275.69	275.49	275.54	
13	275.41	275.42	276.03	275.40	276.03	275.80	276.28	278.60	275.90	275.69	275.52	275.50	
14	275.39	275.42	275.77	275.38	275.79	275.82	276.18	277.22	275.89	275.69	275.54	275.50	
15	275.39	275.41	275.60	275.38	275.69	275.84	276.12	276.81	275.89	275.66	275.52	275.49	
16	275.40	275.41	275.52	275.38	275.60	275.76	277.56	276.54	275.88	275.66	275.65	275.49	
17	275.42	275.42	275.49	275.39	275.59	275.72	276.99	277.20	275.84	275.67	275.59	275.47	
18	275.43	275.41	275.47	275.49	275.75	275.69	276.36	276.65	275.82	275.66	275.57	275.47	
19	275.45	275.40	275.46	275.41	275.68	275.67	276.45	276.43	275.82	275.65	275.56	275.46	
20	275.53	275.39	275.44	275.44	275.73	275.81	276.43	276.34	275.80	275.65	275.54	275.47	
21	275.48	275.39	275.44	275.43	275.71	276.54	276.20	276.29	275.79	275.65	275.49	275.47	
22	275.43	275.39	275.43	275.42	275.73	275.90	276.09	276.24	275.79	275.64	275.47	275.47	
23	275.40	275.37	275.42	275.41	275.73	275.82	275.76	276.20	275.77	275.64	275.48	275.46	
24	275.39	275.37	275.40	275.51	275.72	275.82	276.00	276.16	275.77	275.63	275.48	275.46	
25	275.40	275.39	275.42	275.51	275.64	275.67	275.97	276.14	275.77	275.64	275.47	275.49	
26	275.40	275.40	275.41	275.48	275.63	275.95	275.93	276.12	275.76	275.64	275.50	275.50	
27	275.41	275.44	275.39	275.45	275.61	275.74	275.92	276.10	275.76	275.65	275.52	275.45	
28	275.43	276.99	275.38	275.46	275.59	275.67	275.97	276.08	275.83	275.63	275.53	275.46	
29	275.40	276.04	275.37	275.47	275.59	275.87	276.12	276.07	275.86	275.64	275.52	275.46	
30	275.39	275.69	275.37	275.48	275.58	275.76	276.04	276.05	275.83	275.67		275.46	
31		275.71		275.47	277.10		275.95		275.77	275.66		275.45	
MEAN	275.42	275.50	275.58	275.43	275.81	275.90	276.10	276.40	275.88	275.68	275.53	275.49	
MAX	275.53	276.99	276.51	275.56	277.10	276.65	277.56	278.60	276.04	275.76	275.65	275.55	278.60
MIN	275.39	275.37	275.37	275.36	275.46	275.67	275.66	275.97	275.76	275.63	275.47	275.45	275.36

ANNUAL MAX MOMENTARY GAGE HEIGHT 278.92 M (MSL), AT 13.00 HOURS, ON NOV 13, 1983
ZERO GAGE AT BOTTOM ELEVATION 274.69 M (MSL), RIVER BED 275.31 M (MSL)
LEFT BANK ELEVATION 280.38 M (MSL)
RIGHT BANK ELEVATION 280.34 M (MSL), DRAINAGE AREA 460 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.52	0.24	2.54	0.24	0.88	25.32	4.19	10.29	10.51	4.97	2.28	1.24	
2	0.61	0.24	2.68	0.24	1.06	15.92	3.38	14.96	9.87	4.77	1.70	1.36	
3	0.52	0.24	2.05	1.59	1.15	9.87	3.24	12.68	9.65	4.58	1.59	1.47	
4	0.43	0.52	1.59	1.06	1.06	14.48	10.72	13.12	9.65	4.58	1.82	1.36	
5	0.34	0.52	1.36	0.61	0.97	12.46	11.16	13.12	9.26	4.58	1.59	1.36	
6	0.31	0.43	1.15	0.34	38.60	9.06	6.34	10.29	9.06	4.38	1.36	1.24	
7	0.43	0.52	1.06	0.31	17.84	7.70	5.16	9.45	8.87	4.19	1.36	1.24	
8	0.52	0.43	2.96	0.24	8.09	6.34	9.26	9.06	9.06	4.19	1.47	1.06	
9	0.43	0.43	21.48	0.20	8.87	5.55	8.09	12.24	9.06	3.80	1.70	1.24	
10	0.52	0.79	6.73	0.20	4.58	5.36	9.45	25.60	8.87	3.80	1.82	1.82	
11	0.61	0.79	5.36	0.27	4.97	4.58	5.55	26.15	8.68	3.80	1.36	1.82	
12	0.52	0.61	8.87	1.94	21.48	7.11	15.44	26.42	8.28	3.66	1.15	1.70	
13	0.43	0.52	10.29	0.34	10.29	5.75	15.92	93.50	7.70	3.66	1.47	1.24	
14	0.31	0.52	5.16	0.27	5.55	6.14	13.56	42.46	7.51	3.66	1.70	1.24	
15	0.31	0.43	2.40	0.27	3.66	6.53	12.24	29.79	7.51	3.24	1.47	1.15	
16	0.34	0.43	1.47	0.27	2.40	4.97	54.10	22.30	7.31	3.24	3.10	1.15	
17	0.52	0.52	1.15	0.31	2.28	4.19	35.19	41.80	6.53	3.38	2.28	0.97	
18	0.61	0.43	0.97	1.15	4.77	3.66	17.84	25.32	6.14	3.24	2.05	0.97	
19	0.79	0.34	0.88	0.43	3.52	3.38	20.00	19.52	6.14	3.10	1.94	0.88	
20	1.59	0.31	0.70	0.70	4.38	5.94	19.52	17.36	5.75	3.10	1.70	0.97	
21	1.06	0.31	0.70	0.61	3.99	22.30	14.00	16.16	5.55	3.10	1.15	0.97	
22	0.61	0.31	0.61	0.52	4.38	7.70	11.58	14.96	5.55	2.96	0.97	0.97	
23	0.34	0.24	0.52	0.43	4.38	6.14	4.97	14.00	5.16	2.96	1.06	0.88	
24	0.31	0.24	0.34	1.36	4.19	6.14	9.65	13.12	5.16	2.82	1.06	0.88	
25	0.34	0.31	0.52	1.36	2.96	3.38	9.06	12.68	5.16	2.96	0.97	1.15	
26	0.34	0.34	0.43	1.06	2.82	8.68	8.28	12.24	4.97	2.96	1.24	1.24	
27	0.43	0.70	0.31	0.79	2.54	4.58	8.09	11.80	4.97	3.10	1.47	0.79	
28	0.61	35.19	0.27	0.88	2.28	3.38	9.06	11.37	6.34	2.82	1.59	0.88	
29	0.34	10.51	0.24	0.97	2.28	7.11	12.24	11.16	6.92	2.96	1.47	0.88	
30	0.31	3.66	0.24	1.06	2.17	4.97	10.51	10.72	6.34	3.38		0.88	
31		3.99		0.97	38.60		8.68		5.16	3.24		0.79	
TOTAL	15.35	65.06	85.03	20.99	216.99	238.69	386.47	603.64	226.69	111.18	45.89	35.79	2051.77 CMSDAY
MEAN	0.51	2.10	2.83	0.68	7.00	7.96	12.47	20.12	7.31	3.59	1.58	1.15	5.61 CMS
MAX	1.59	35.19	21.48	1.94	38.60	25.32	54.10	93.50	10.51	4.97	3.10	1.82	93.50 CMS
MIN	0.31	0.24	0.24	0.20	0.88	3.38	3.24	9.06	4.97	2.82	0.97	0.79	0.20 CMS
RUNOFF	1.326	5.621	7.347	1.814	18.748	20.623	33.391	52.154	19.586	9.606	3.965	3.092	177.273 MCM

MOMENTARY PEAK 106.68 CMS, AT 278.92 M (MSL), AT 13.00 HOURS, ON NOV 13, 1983

RUNOFF YIELD 12.19 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 231.91 LITERS/SECOND/SQUARE KM

WATER YEAR 1983

PING RIVER BASIN

MUANG MAI CANAL AT BAN MUANG KLANG, CHIANG MAI (P.24B)

LOCATION — LAT. 18°-28'-05" N., LONG. 98°-39'-48" E., ON LEFT BANK ABOUT 4 KILOMETERS DOWNSTREAM FROM THE WEIR BUILT BY THE LOCAL RESIDENTS AT BAN MUANG KLANG, AMPHOE CHOM THONG CHIANG MAI.

DRAINAGE AREA — CANAL

TYPE OF GAGE — STAFF GAGE.

ZERO GAGE AT BOTTOM — +291.600 M.(M.S.L.)

BENCH MARK — B.M.-H.D.

LOCATION — INFRONT OF INSPECTOR'S HOUSE AT PAK MUANG LUANG.

ELEVATION — +291.201 M.(M.S.L.)

GAGE READING FREQUENCY — 5-TIME DAILY READINGS AT 06.00, 09.00, 12.00, 15.00 AND 18.00 HOURS.

BASIS OF MEAN DAILY GAGE HEIGHT — ARITHMETIC MEAN OF 5 READINGS.

PERIOD OF AVAILABLE GAGE RECORDS — 1978 TO DATE.

RATING OPERATION

PERIOD OF RATING — 1978 TO DATE.

RATED BY FLOAT — -

RATED BY CURRENT METER — 1978 TO DATE.

STABILITY OF CHANNEL REGIMES — STABLE.

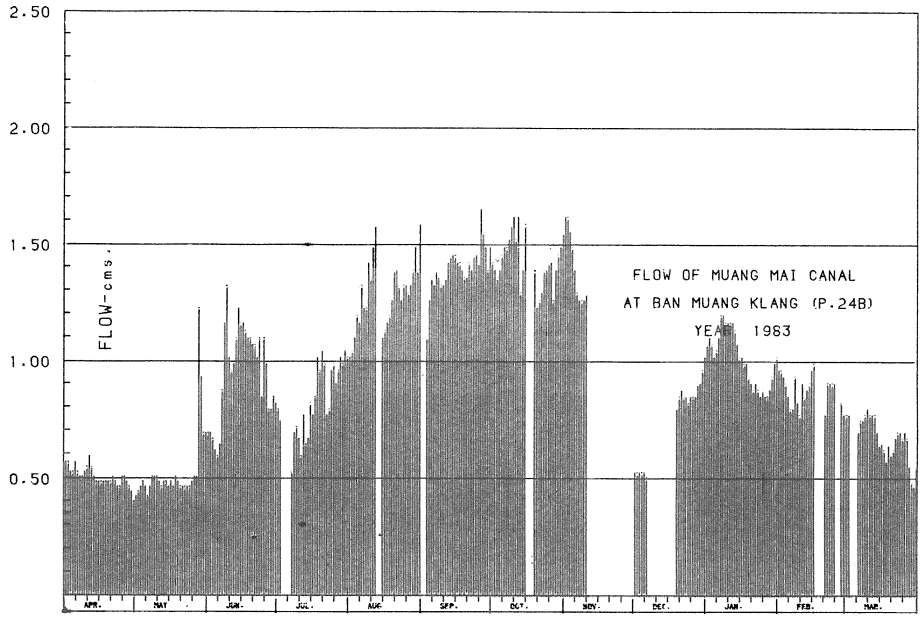
OVERBANK FLOW CONDITIONS — NO OVERBANK FLOW.

GENERAL DESCRIPTION — RECORDS GOOD. STAGE-DISCHARGE RELATION DEFINED BY 60 DISCHARGE MEASUREMENTS MADE IN 1983.

GAGE HEIGHT IN METER (MSL), WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	292.00	291.93	292.05	292.09	292.17	291.60	292.30	292.36	291.98	292.19	292.15	292.08	
2	292.00	291.94	292.05	292.07	292.18	291.60	292.29	292.36	291.98	292.20	292.15	292.08	
3	291.98	291.95	292.04	291.60	292.20	292.20	292.28	292.34	291.98	292.19	292.14	291.57	
4	291.98	291.96	292.02	291.60	292.23	292.25	292.29	292.32	291.98	292.17	292.13	291.57	
5	292.00	291.95	292.01	291.60	292.22	292.28	292.31	292.29	291.98	292.18	292.11	291.57	
6	291.98	291.93	292.03	291.60	292.27	292.27	292.32	292.26	291.97	292.20	292.09	292.05	
7	291.97	291.95	292.12	291.98	292.24	292.29	292.32	292.25	291.60	292.23	292.09	292.07	
8	291.97	291.97	292.22	292.05	292.24	292.28	292.33	292.25	291.60	292.23	292.14	292.07	
9	291.98	291.97	292.27	292.06	292.30	292.27	292.35	292.25	291.60	292.22	292.10	292.08	
10	291.99	291.97	292.17	292.04	292.28	292.27	292.36	292.26	291.60	292.22	292.08	292.09	
11	292.01	291.96	292.15	292.01	292.32	292.28	292.33	291.60	291.60	292.22	292.13	292.08	
12	291.99	291.95	292.16	292.08	292.35	292.30	292.36	291.60	291.60	292.22	292.11	292.08	
13	291.97	291.96	292.20	292.03	291.60	292.31	292.26	291.60	291.60	292.21	292.12	292.08	
14	291.96	291.96	292.24	292.04	291.60	292.31	292.29	291.60	291.60	292.19	292.13	292.05	
15	291.96	291.95	292.22	292.10	292.20	292.31	292.35	291.60	291.60	292.17	292.15	292.03	
16	291.96	291.96	292.22	292.08	292.21	292.30	291.60	291.60	291.60	292.17	292.16	292.03	
17	291.96	291.95	292.21	292.11	292.22	292.30	291.60	291.60	291.60	292.16	291.57	292.02	
18	291.96	291.97	292.20	292.17	292.23	292.29	291.60	291.60	291.60	292.16	291.57	292.00	
19	291.96	291.96	292.20	292.15	292.25	292.28	292.29	291.60	292.09	292.14	291.57	292.03	
20	291.96	291.95	292.19	292.18	292.29	292.28	292.24	291.60	292.11	292.13	291.57	292.01	
21	291.97	291.95	292.19	292.16	292.29	292.30	292.25	291.60	292.12	292.12	292.08	292.02	
22	291.96	291.95	292.17	292.08	292.27	292.29	292.26	291.60	292.11	292.13	292.13	292.04	
23	291.95	291.95	292.20	292.09	292.25	292.31	292.29	291.60	292.11	292.12	292.13	292.05	
24	291.95	291.95	292.11	292.15	292.27	292.31	292.29	291.60	292.10	292.11	292.13	292.05	
25	291.97	291.96	292.20	292.16	292.27	292.30	292.30	291.60	292.11	292.12	292.13	292.04	
26	291.97	291.97	292.16	292.13	292.26	292.37	292.30	291.60	292.11	292.11	291.57	292.05	
27	291.96	291.97	292.09	292.15	292.27	292.34	292.25	291.60	292.11	292.11	291.57	292.04	
28	291.95	292.24	292.09	292.17	292.29	292.32	292.29	291.60	292.13	292.12	292.10	291.99	
29	291.94	292.14	292.11	292.16	292.32	292.29	292.31	291.60	292.13	292.14	292.08	291.96	
30	291.92	292.05	292.10	292.18	292.29	292.32	292.32	291.60	292.15	292.16		291.95	
31		292.05		292.17	292.35		292.34		292.17	292.17		291.99	
MEAN	291.97	291.98	292.15	292.04	292.22	292.25	292.23	291.83	291.89	292.17	292.01	291.99	
MAX	292.01	292.24	292.27	292.18	292.35	292.37	292.36	292.36	292.17	292.23	292.16	292.09	292.37
MIN	291.92	291.93	292.01	291.60	291.60	291.60	291.60	291.60	291.60	292.11	291.57	291.57	291.57

ANNUAL MAX MOMENTARY GAGE HEIGHT 292.40 M (MSL), AT 9.00 HOURS, ON OCT 9, 1983
ZERO GAGE AT BOTTOM ELEVATION 291.60 M (MSL), RIVER BED 291.50 M (MSL)
LEFT BANK ELEVATION 293.61 M (MSL)
RIGHT BANK ELEVATION 293.51 M (MSL), DRAINAGE AREA SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.570	0.423	0.695	0.795	1.016	0.000	1.420	1.618	0.528	1.072	0.960	0.770	
2	0.570	0.444	0.695	0.745	1.044	0.000	1.388	1.618	0.528	1.100	0.960	0.770	
3	0.528	0.465	0.670	0.000	1.100	1.100	1.356	1.552	0.528	1.072	0.932	0.000	
4	0.528	0.486	0.620	0.000	1.196	1.260	1.388	1.486	0.528	1.016	0.904	0.000	
5	0.570	0.465	0.595	0.000	1.164	1.356	1.453	1.388	0.528	1.044	0.848	0.000	
6	0.528	0.423	0.645	0.000	1.324	1.324	1.486	1.292	0.507	1.100	0.795	0.695	
7	0.507	0.465	0.876	0.528	1.228	1.388	1.486	1.260	0.000	1.196	0.795	0.745	
8	0.507	0.507	1.164	0.695	1.228	1.356	1.519	1.260	0.000	1.196	0.932	0.745	
9	0.528	0.507	1.324	0.720	1.420	1.324	1.585	1.260	0.000	1.164	0.820	0.770	
10	0.549	0.507	1.016	0.670	1.356	1.324	1.618	1.292	0.000	1.164	0.770	0.795	
11	0.595	0.486	0.960	0.595	1.486	1.356	1.519	0.000	0.000	1.164	0.904	0.770	
12	0.549	0.465	0.988	0.770	1.585	1.420	1.618	0.000	0.000	1.164	0.848	0.770	
13	0.507	0.486	1.100	0.645	0.000	1.453	1.292	0.000	0.000	1.132	0.876	0.770	
14	0.486	0.486	1.228	0.670	0.000	1.453	1.388	0.000	0.000	1.072	0.904	0.695	
15	0.486	0.465	1.164	0.820	1.100	1.453	1.585	0.000	0.000	1.016	0.960	0.645	
16	0.486	0.486	1.164	0.770	1.132	1.420	0.000	0.000	0.000	1.016	0.988	0.645	
17	0.486	0.465	1.132	0.848	1.164	1.420	0.000	0.000	0.000	0.988	0.000	0.620	
18	0.486	0.507	1.100	1.016	1.196	1.388	0.000	0.000	0.000	0.988	0.000	0.570	
19	0.486	0.486	1.100	0.960	1.260	1.356	1.388	0.000	0.795	0.932	0.000	0.645	
20	0.486	0.465	1.072	1.044	1.388	1.356	1.228	0.000	0.848	0.904	0.000	0.595	
21	0.507	0.465	1.072	0.988	1.388	1.420	1.260	0.000	0.876	0.876	0.770	0.620	
22	0.486	0.465	1.016	0.770	1.324	1.388	1.292	0.000	0.848	0.904	0.904	0.670	
23	0.465	0.465	1.100	0.795	1.260	1.453	1.388	0.000	0.848	0.876	0.904	0.695	
24	0.465	0.465	0.848	0.960	1.324	1.453	1.388	0.000	0.820	0.848	0.904	0.695	
25	0.507	0.486	1.100	0.988	1.324	1.420	1.420	0.000	0.848	0.876	0.904	0.670	
26	0.507	0.507	0.988	0.904	1.292	1.651	1.420	0.000	0.848	0.848	0.000	0.695	
27	0.486	0.507	0.795	0.960	1.324	1.552	1.260	0.000	0.848	0.848	0.000	0.670	
28	0.465	1.228	0.795	1.016	1.388	1.486	1.388	0.000	0.904	0.876	0.820	0.549	
29	0.444	0.932	0.848	0.988	1.486	1.388	1.453	0.000	0.904	0.932	0.770	0.486	
30	0.402	0.695	0.820	1.044	1.388	1.486	1.486	0.000	0.960	0.988		0.465	
31		0.695		1.016	1.585		1.552		1.016	1.016		0.549	
TOTAL	15.172	16.399	28.690	22.720	37.470	39.204	40.024	14.026	14.510	31.388	20.172	18.779	298.554 CMSDAY
MEAN	0.506	0.529	0.956	0.733	1.209	1.307	1.291	0.468	0.468	1.013	0.696	0.606	0.816 CMS
MAX	0.595	1.228	1.324	1.044	1.585	1.651	1.618	1.618	1.016	1.196	0.988	0.795	1.651 CMS
MIN	0.402	0.423	0.595	0.000	0.000	0.000	0.000	0.000	0.000	0.848	0.000	0.000	0.000 CMS
RUNOFF	1.311	1.417	2.479	1.963	3.237	3.387	3.458	1.212	1.254	2.712	1.743	1.623	25.795 MCM

MOMENTARY PEAK 1.75 CMS, AT 292.40 M (MSL), AT 9.00 HOURS, ON OCT 9, 1983

RUNOFF YIELD 0.00 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 0.00 LITERS/SECOND/SQUARE KM

WATER YEAR 1983

PING RIVER BASIN

MUANG LUANG CANAL AT BAN MUANG KLANG, CHIANG MAI (P.24C)

LOCATION — LAT. 18°-28'-03" N., LONG. 98°-39'-41" E., ON RIGHT BANK ABOUT 1 KILOMETER DOWNSTREAM FROM THE WEIR BUILT BY THE LOCAL RESIDENTS AT BAN MUANG KLANG, AMPHOE CHOM THONG, CHAING MAI.

DRAINAGE AREA — CANAL

TYPE OF GAGE — STAFF GAGE.

ZERO GAGE AT BOTTOM — +286.480 M.(M.S.L.)

BENCH MARK — B.M.-H.D.

LOCATION — INFRONT OF INSPECTOR'S HOUSE AT PLAK MUANG LUANG.

ELEVATION — +291.201 M.(M.S.L.)

GAGE READING FREQUENCY — 5-TIME DAILY READINGS AT 06.00, 09.00, 12.00, 15.00 AND 18.00 HOURS.

BASIS OF MEAN DAILY GAGE HEIGHT — ARITHMETIC MEAN OF 5 READINGS.

PERIOD OF AVAILABLE GAGE RECORDS — 1978 TO DATE.

RATING OPERATION

PERIOD OF RATING — 1978 TO DATE.

RATED BY FLOAT — -

RATED BY CURRENT METER — 1978 TO DATE.

STABILITY OF CHANNEL REGIMES — STABLE.

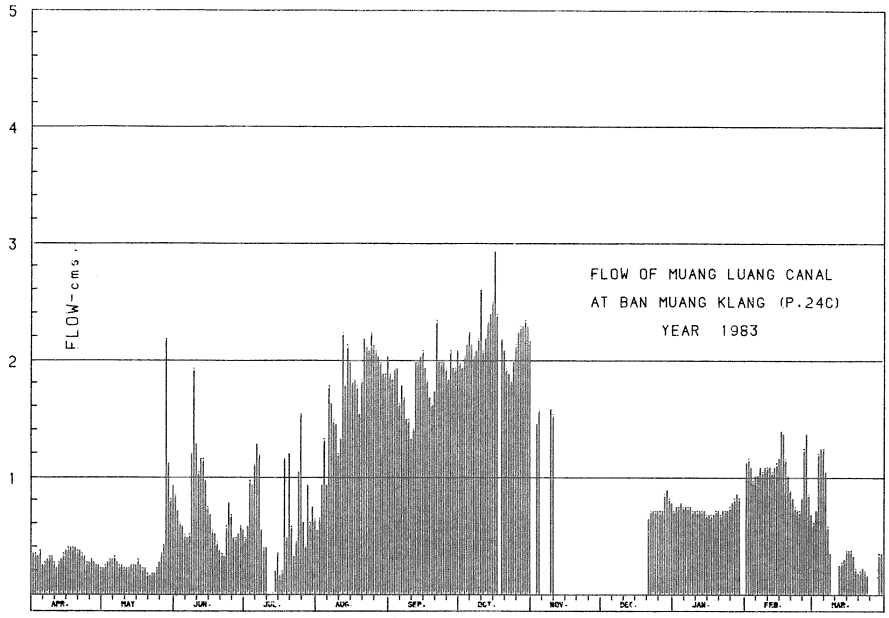
OVERBANK FLOW CONDITIONS — NO OVERBANK FLOW.

GENERAL DESCRIPTION — RECORDS GOOD. STAGE-DISCHARGE RELATION DEFINED BY 57 DISCHARGE MEASUREMENTS MADE IN 1983.

GAGE HEIGHT IN METER (MSL), WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	286.76	286.71	286.92	286.81	286.83	287.16	287.18	286.48	286.48	286.88	286.99	286.85	
2	286.76	286.72	286.88	286.84	286.86	287.15	287.17	286.48	286.48	286.89	287.00	286.88	
3	286.75	286.73	286.85	286.95	286.94	287.17	287.19	287.07	286.48	286.89	286.98	287.01	
4	286.77	286.74	286.84	286.94	287.04	287.17	287.21	287.10	286.48	286.90	286.95	287.02	
5	286.72	286.74	286.82	286.99	286.94	287.11	287.23	286.48	286.48	286.89	286.96	287.02	
6	286.73	286.75	286.81	287.03	287.14	287.14	287.21	286.48	286.48	286.89	286.96	286.97	
7	286.74	286.73	286.82	287.01	287.11	287.12	287.19	286.48	286.48	286.89	286.98	286.84	
8	286.75	286.72	287.01	286.83	287.08	287.08	287.20	286.48	286.48	286.89	286.97	286.76	
9	286.75	286.72	287.17	286.78	287.07	287.08	287.22	287.10	286.48	286.88	286.98	286.48	
10	286.73	286.71	287.03	286.78	287.01	287.04	287.30	287.09	286.48	286.88	286.98	286.48	
11	286.71	286.71	286.97	286.48	287.04	287.06	287.20	286.48	286.48	286.88	286.98	286.48	
12	286.73	286.71	287.00	286.48	287.23	287.18	287.22	286.48	286.48	286.88	286.97	286.72	
13	286.74	286.72	287.00	286.61	287.14	287.18	287.25	286.48	286.48	286.88	286.98	286.73	
14	286.76	286.72	286.95	286.70	287.21	287.19	287.26	286.48	286.48	286.88	286.99	286.74	
15	286.77	286.72	286.89	286.76	287.18	287.20	287.28	286.48	286.48	286.87	287.00	286.77	
16	286.78	286.74	286.87	286.68	287.15	287.17	287.36	286.48	286.48	286.87	287.06	286.77	
17	286.78	286.72	286.83	286.70	287.15	287.15	287.26	286.48	286.48	286.87	287.05	286.77	
18	286.78	286.71	286.82	287.00	287.14	287.12	286.48	286.48	286.48	286.87	287.00	286.75	
19	286.78	286.71	286.80	286.81	287.09	287.11	287.22	286.48	286.48	286.88	286.96	286.71	
20	286.77	286.69	286.77	287.01	287.15	287.13	287.20	286.48	286.48	286.88	286.93	286.69	
21	286.77	286.68	286.76	286.84	287.22	287.25	287.17	286.48	286.86	286.87	286.91	286.70	
22	286.76	286.69	286.75	286.75	287.21	287.18	287.16	286.48	286.88	286.88	286.89	286.71	
23	286.75	286.69	286.84	286.80	287.20	287.18	287.15	286.48	286.88	286.88	286.88	286.70	
24	286.73	286.71	286.90	286.97	287.23	287.18	287.18	286.48	286.88	286.88	286.88	286.68	
25	286.73	286.73	286.87	287.09	287.21	287.17	287.21	286.48	286.88	286.89	286.91	286.48	
26	286.74	286.76	286.81	286.85	287.20	287.15	287.23	286.48	286.88	286.90	287.02	286.48	
27	286.73	286.79	286.81	286.79	287.19	287.20	287.24	286.48	286.88	286.91	287.05	286.48	
28	286.72	287.22	286.82	286.94	287.18	287.17	287.24	286.48	286.92	286.92	286.92	286.48	
29	286.72	286.99	286.84	286.85	287.16	287.17	287.25	286.48	286.93	286.91	286.87	286.76	
30	286.71	286.91	286.83	286.89	287.16	287.20	287.24	286.48	286.91	286.48		286.76	
31		286.94		286.86	287.19		287.22		286.90	286.48		286.72	
MEAN	286.75	286.76	286.88	286.83	287.12	287.15	287.20	286.56	286.63	286.86	286.97	286.72	
MAX	286.78	287.22	287.17	287.09	287.23	287.25	287.36	287.10	286.93	286.92	287.06	287.02	287.36
MIN	286.71	286.68	286.75	286.48	286.83	287.04	286.48	286.48	286.48	286.48	286.87	286.48	286.48

ANNUAL MAX MOMENTARY GAGE HEIGHT 287.41 M (MSL), AT 15.00 HOURS, ON OCT 16, 1983
ZERO GAGE AT BOTTOM ELEVATION 286.48 M (MSL), RIVER BED 286.28 M (MSL)
LEFT BANK ELEVATION 288.58 M (MSL)
RIGHT BANK ELEVATION 288.69 M (MSL), DRAINAGE AREA SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.350	0.225	0.856	0.483	0.549	1.880	1.980	0.000	0.000	0.714	1.122	0.615	
2	0.350	0.250	0.714	0.582	0.648	1.830	1.930	0.000	0.000	0.747	1.160	0.714	
3	0.325	0.275	0.615	0.970	0.932	1.930	2.030	1.454	0.000	0.747	1.084	1.202	
4	0.375	0.300	0.582	0.932	1.328	1.930	2.132	1.580	0.000	0.780	0.970	1.244	
5	0.250	0.300	0.516	1.122	0.932	1.630	2.236	0.000	0.000	0.747	1.008	1.244	
6	0.275	0.325	0.483	1.286	1.780	1.780	2.132	0.000	0.000	0.747	1.008	1.046	
7	0.300	0.275	0.516	1.202	1.630	1.680	2.030	0.000	0.000	0.747	1.084	0.582	
8	0.325	0.250	1.202	0.549	1.496	1.496	2.080	0.000	0.000	0.747	1.046	0.350	
9	0.325	0.250	1.930	0.400	1.454	1.496	2.184	1.580	0.000	0.714	1.084	0.000	
10	0.275	0.225	1.286	0.400	1.202	1.328	2.600	1.538	0.000	0.714	1.084	0.000	
11	0.225	0.225	1.046	0.000	1.328	1.412	2.080	0.000	0.000	0.714	1.084	0.000	
12	0.275	0.225	1.160	0.000	2.236	1.980	2.184	0.000	0.000	0.714	1.046	0.250	
13	0.300	0.250	1.160	0.020	1.780	1.980	2.340	0.000	0.000	0.714	1.084	0.275	
14	0.350	0.250	0.970	0.200	2.132	2.030	2.392	0.000	0.000	0.714	1.122	0.300	
15	0.375	0.250	0.747	0.350	1.980	2.080	2.496	0.000	0.000	0.681	1.160	0.375	
16	0.400	0.300	0.681	0.160	1.830	1.930	2.930	0.000	0.000	0.681	1.412	0.375	
17	0.400	0.250	0.549	0.200	1.830	1.830	2.392	0.000	0.000	0.681	1.370	0.375	
18	0.400	0.225	0.516	1.160	1.780	1.680	0.000	0.000	0.000	0.681	1.160	0.325	
19	0.400	0.225	0.450	0.483	1.538	1.630	2.184	0.000	0.000	0.714	1.008	0.225	
20	0.375	0.180	0.375	1.202	1.830	1.730	2.080	0.000	0.000	0.714	0.894	0.180	
21	0.375	0.160	0.350	0.582	2.184	2.340	1.930	0.000	0.648	0.681	0.818	0.200	
22	0.350	0.180	0.325	0.325	2.132	1.980	1.880	0.000	0.714	0.714	0.747	0.225	
23	0.325	0.180	0.582	0.450	2.080	1.980	1.830	0.000	0.714	0.714	0.714	0.200	
24	0.275	0.225	0.780	1.046	2.236	1.980	1.980	0.000	0.714	0.714	0.714	0.160	
25	0.275	0.275	0.681	1.538	2.132	1.930	2.132	0.000	0.714	0.747	0.818	0.000	
26	0.300	0.350	0.483	0.615	2.080	1.830	2.236	0.000	0.714	0.780	1.244	0.000	
27	0.275	0.425	0.483	0.425	2.030	2.080	2.288	0.000	0.714	0.818	1.370	0.000	
28	0.250	2.184	0.516	0.932	1.980	1.930	2.288	0.000	0.856	0.856	0.856	0.000	
29	0.250	1.122	0.582	0.615	1.880	1.930	2.340	0.000	0.894	0.818	0.681	0.350	
30	0.225	0.818	0.549	0.747	1.880	2.080	2.288	0.000	0.818	0.000		0.350	
31		0.932		0.648	2.030		2.184		0.780	0.000		0.250	
TOTAL	9.550	11.906	21.685	19.624	52.859	55.322	65.788	6.152	8.280	21.254	29.952	11.412	313.784 CMSDAY
MEAN	0.318	0.384	0.723	0.633	1.705	1.844	2.122	0.205	0.267	0.686	1.033	0.368	0.857 CMS
MAX	0.400	2.184	1.930	1.538	2.236	2.340	2.930	1.580	0.894	0.856	1.412	1.244	2.930 CMS
MIN	0.225	0.160	0.325	0.000	0.549	1.328	0.000	0.000	0.000	0.000	0.681	0.000	0.000 CMS
RUNOFF	0.825	1.029	1.874	1.696	4.567	4.780	5.684	0.532	0.715	1.836	2.588	0.986	27.111 MCM

MOMENTARY PEAK 3.21 CMS, AT 287.41 M (MSL), AT 15.00 HOURS, ON OCT 16, 1983

RUNOFF YIELD 0.00 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 0.00 LITERS/SECOND/SQUARE KM

WATER YEAR 1983

PING RIVER BASIN

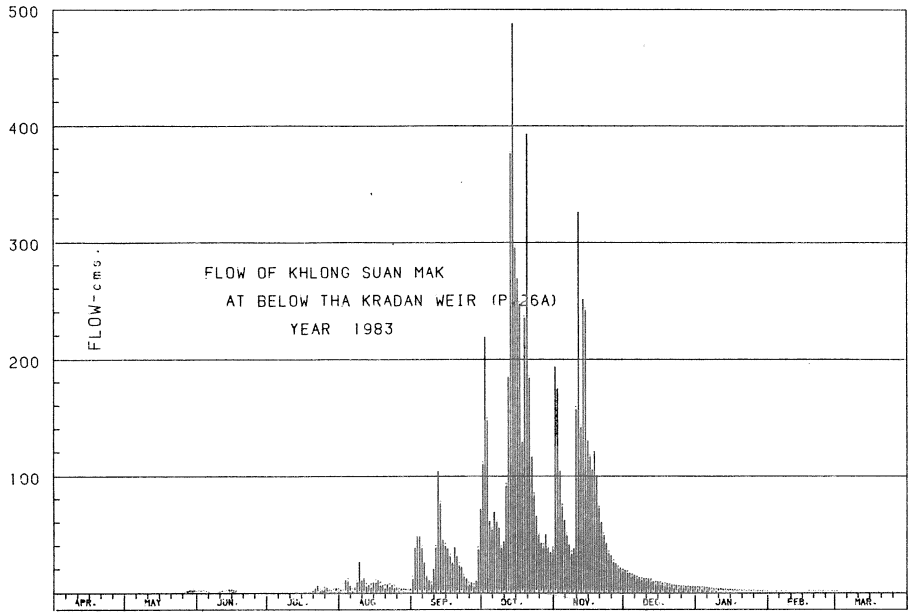
KHLONG SUAN MAK AT BAN MAI, KAMPHAENG PHET (P.26A)

LOCATION	LAT. 16°-26'-57" N., LONG. 99°-26'-27" E., ON RIGHT BANK ABOUT 515 METERS DOWNSTREAM FROM THA KRADAN WEIR AT BAN MAI, TAMBON NA BO KHUM, AMPHOE MUANG, KAMPHAENG PHET.
DRAINAGE AREA	969 SQ.KM.
TYPE OF GAGE	WATER-STAGE RECORDER.
ZERO GAGE AT BOTTOM	+0.00 M. (A.D.)
BENCH MARK	B.M.-H.D.
LOCATION	NEAR THE AUTOMATIC GAGE BUILDING
ELEVATION	+6.144 M. (A.D.)
GAGE READING FREQUENCY	RECORDING
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 24 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1971 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1972-1974, 1980 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1972-1974, 1980 TO DATE.
STABILITY OF CHANNEL REGIMES	STABLE.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS GOOD. FLOW REGULATED BY THA KRADAN WEIR BUILT BY THE LOCAL RESIDENTS. STAGE-DISCHARGE RELATION DEFINED BY 35 DISCHARGE MEASUREMENTS MADE IN 1983.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	-0.35	-0.24	0.13	-0.22	0.21	0.64	1.89	2.52	0.75	0.35	0.07	0.06	
2	-0.34	-0.25	0.14	-0.21	0.18	1.07	2.68	2.41	0.74	0.35	0.06	0.06	
3	-0.34	-0.25	0.15	-0.22	0.54	1.24	2.23	1.82	0.70	0.34	0.06	0.06	
4	-0.33	-0.25	0.11	-0.22	0.58	1.21	1.37	1.54	0.68	0.34	0.06	0.04	
5	-0.32	-0.25	-0.02	-0.22	0.39	1.10	1.31	1.38	0.66	0.33	0.05	0.03	
6	-0.32	-0.25	-0.05	-0.23	0.27	0.87	1.46	1.25	0.63	0.32	0.05	0.02	
7	-0.32	-0.24	-0.08	-0.23	0.32	0.70	1.39	1.11	0.61	0.30	0.05	0.01	
8	-0.33	-0.23	-0.10	-0.25	0.56	0.54	1.30	1.03	0.60	0.28	0.05	0.01	
9	-0.34	-0.22	-0.06	-0.27	0.88	0.50	1.10	1.06	0.59	0.27	0.03	0.01	
10	-0.35	-0.20	0.02	-0.29	0.62	0.77	1.15	2.33	0.58	0.26	0.02	0.01	
11	-0.35	-0.20	0.08	-0.30	0.59	1.10	1.72	3.28	0.58	0.26	0.01	-0.02	
12	-0.35	-0.20	0.07	-0.29	0.47	1.82	2.46	2.16	0.57	0.25	0.01	-0.03	
13	-0.35	-0.19	0.14	-0.29	0.41	1.57	3.54	2.87	0.51	0.24	0.01	-0.04	
14	-0.35	-0.15	0.24	-0.26	0.44	1.17	4.05	2.83	0.51	0.23	0.01	-0.05	
15	-0.35	-0.12	0.22	-0.24	0.48	1.13	3.13	2.05	0.51	0.22	0.01	-0.06	
16	-0.35	-0.12	0.20	-0.13	0.56	1.06	2.97	1.95	0.50	0.21	0.01	-0.07	
17	-0.35	-0.14	0.11	-0.11	0.54	0.99	2.86	1.83	0.47	0.20	0.05	-0.07	
18	-0.35	-0.14	-0.03	-0.14	0.50	0.87	2.04	1.97	0.47	0.18	0.10	-0.08	
19	-0.35	-0.15	-0.02	-0.16	0.41	1.11	2.79	1.78	0.46	0.17	0.09	-0.08	
20	-0.35	-0.16	-0.02	0.10	0.42	0.96	3.61	1.52	0.44	0.17	0.09	-0.10	
21	-0.35	-0.17	-0.04	0.38	0.43	0.87	2.47	1.36	0.42	0.16	0.09	-0.10	
22	-0.36	-0.17	-0.15	0.39	0.45	0.80	1.93	1.25	0.41	0.15	0.09	-0.10	
23	-0.34	-0.17	-0.22	0.27	0.41	0.68	1.64	1.13	0.41	0.14	0.08	-0.11	
24	-0.33	-0.17	-0.21	0.20	0.41	0.58	1.42	1.03	0.39	0.14	0.08	-0.12	
25	-0.20	-0.10	-0.21	0.34	0.32	0.50	1.26	0.97	0.38	0.13	0.08	-0.10	
26	-0.20	-0.07	-0.20	0.32	0.29	0.48	1.13	0.91	0.38	0.12	0.07	-0.09	
27	-0.22	0.06	-0.21	0.20	0.26	0.44	1.12	0.86	0.37	0.12	0.07	-0.08	
28	-0.23	0.12	-0.21	0.18	0.25	0.52	1.23	0.82	0.37	0.12	0.06	-0.07	
29	-0.24	0.12	-0.21	0.25	0.25	1.08	1.11	0.79	0.36	0.11	0.06	-0.05	
30	-0.24	0.13	-0.21	0.29	0.23	1.49	1.01	0.77	0.36	0.10		-0.04	
31		0.10		0.27	0.26		1.08		0.36	0.09		-0.02	
MEAN	-0.32	-0.14	-0.02	-0.04	0.42	0.93	1.95	1.62	0.51	0.21	0.05	-0.04	
MAX	-0.20	0.13	0.24	0.39	0.88	1.82	4.05	3.28	0.75	0.35	0.10	0.06	4.05
MIN	-0.36	-0.25	-0.22	-0.30	0.18	0.44	1.01	0.77	0.36	0.09	0.01	-0.12	-0.36

ANNUAL MAX MOMENTARY GAGE HEIGHT 4.40 M (A.D), AT 17.00 HOURS, ON OCT 14, 1983
ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D), RIVER BED -0.48 M (A.D)
LEFT BANK ELEVATION 5.78 M (A.D)
RIGHT BANK ELEVATION 6.32 M (A.D), DRAINAGE AREA 969 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.08	0.27	2.23	0.31	2.90	14.60	111.90	193.60	19.50	5.37	1.78	1.70	
2	0.09	0.25	2.30	0.33	2.60	38.55	219.20	177.45	19.00	5.37	1.70	1.70	
3	0.09	0.25	2.38	0.31	10.90	50.70	149.90	104.20	17.00	5.15	1.70	1.70	
4	0.11	0.25	2.08	0.31	12.30	48.30	61.45	76.10	16.20	5.15	1.70	1.55	
5	0.12	0.25	1.15	0.31	6.27	40.50	56.35	62.30	15.40	4.93	1.63	1.48	
6	0.12	0.25	1.00	0.29	3.80	25.85	69.10	51.50	14.20	4.70	1.63	1.40	
7	0.12	0.27	0.85	0.29	4.70	17.00	63.15	41.20	13.40	4.25	1.63	1.33	
8	0.11	0.29	0.75	0.25	11.60	10.90	55.50	35.95	13.00	3.95	1.63	1.33	
9	0.09	0.31	0.95	0.21	26.40	9.50	40.50	37.90	12.65	3.80	1.48	1.33	
10	0.08	0.35	1.40	0.17	13.80	20.50	44.00	159.20	12.30	3.65	1.40	1.33	
11	0.08	0.35	1.85	0.15	12.65	40.50	93.60	326.20	12.30	3.65	1.33	1.15	
12	0.08	0.35	1.78	0.17	8.60	104.20	184.70	144.00	11.95	3.50	1.33	1.10	
13	0.08	0.39	2.30	0.17	6.80	78.80	378.40	251.37	9.85	3.35	1.33	1.05	
14	0.08	0.55	3.35	0.23	7.70	45.40	488.00	244.30	9.85	3.20	1.33	1.00	
15	0.08	0.67	3.05	0.27	8.90	42.60	297.70	130.25	9.85	3.05	1.33	0.95	
16	0.08	0.67	2.75	0.63	11.60	37.90	269.03	118.50	9.50	2.90	1.33	0.90	
17	0.08	0.59	2.08	0.71	10.90	33.35	249.60	105.30	8.60	2.75	1.63	0.90	
18	0.08	0.59	1.10	0.59	9.50	25.85	129.00	120.70	8.60	2.60	2.00	0.85	
19	0.08	0.55	1.15	0.51	6.80	41.20	237.35	99.90	8.30	2.53	1.93	0.85	
20	0.08	0.51	1.15	2.00	7.10	31.40	393.10	74.30	7.70	2.53	1.93	0.75	
21	0.08	0.47	1.05	6.05	7.40	25.85	186.15	60.60	7.10	2.45	1.93	0.75	
22	0.06	0.47	0.55	6.27	8.00	22.00	116.30	51.50	6.80	2.38	1.93	0.75	
23	0.09	0.47	0.31	3.80	6.80	16.20	85.50	42.60	6.80	2.30	1.85	0.71	
24	0.11	0.47	0.33	2.75	6.80	12.30	65.70	35.95	6.27	2.30	1.85	0.67	
25	0.35	0.75	0.33	5.15	4.70	9.50	52.30	32.05	6.05	2.23	1.85	0.75	
26	0.35	0.90	0.35	4.70	4.10	8.90	42.60	28.15	6.05	2.15	1.78	0.80	
27	0.31	1.70	0.33	2.75	3.65	7.70	41.90	25.30	5.82	2.15	1.78	0.85	
28	0.29	2.15	0.33	2.60	3.50	10.20	49.90	23.10	5.82	2.15	1.70	0.90	
29	0.27	2.15	0.33	3.50	3.50	39.20	41.20	21.50	5.60	2.08	1.70	1.00	
30	0.27	2.23	0.33	4.10	3.20	71.65	34.65	20.50	5.60	2.00		1.05	
31		2.00		3.80	3.65		39.20		5.60	1.93		1.15	
TOTAL	3.99	21.72	39.89	53.68	241.12	981.10	4346.93	2895.47	316.66	100.50	48.12	33.73	9082.91 CMSDAY
MEAN	0.13	0.70	1.33	1.73	7.78	32.70	140.22	96.52	10.21	3.24	1.66	1.09	24.82 CMS
MAX	0.35	2.23	3.35	6.27	26.40	104.20	488.00	326.20	19.50	5.37	2.00	1.70	488.00 CMS
MIN	0.06	0.25	0.31	0.15	2.60	7.70	34.65	20.50	5.60	1.93	1.33	0.67	0.06 CMS
RUNOFF	0.345	1.877	3.446	4.638	20.833	84.767	375.575	250.169	27.359	8.683	4.158	2.914	784.764 MCM

MOMENTARY PEAK 552.33 CMS, AT 4.40 M (A.D), AT 17.00 HOURS, ON OCT 14, 1983

RUNOFF YIELD 25.61 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 570.00 LITERS/SECOND/SQUARE KM

WATER YEAR 1983

PING RIVER BASIN

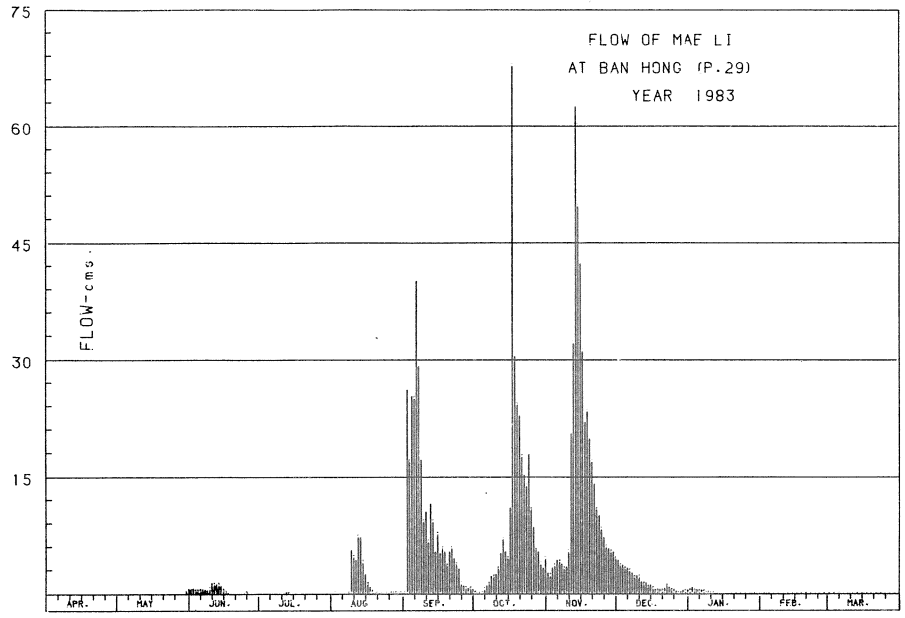
NAM MAE LI AT BAN HONG, LAMPHUN (P.29)

LOCATION	LAT. 18°-18'-35" N., LONG. 98°-49'-35" E., ON LEFT BANK ABOUT 10 METERS UPSTREAM FROM KAEO SONTHI BRIDGE, AMPHOE BAN HONG, LAMPHUN.
DRAINAGE AREA	1,970 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM	+0.00 M. (A.D.)
BENCH MARK	B.M.-H.D.
LOCATION	ABOUT 3 METERS FROM THE ABUTMENT OF THE BRIDGE.
ELEVATION	+3.420 M. (A.D.)
GAGE READING FREQUENCY	5-TIME DAILY READINGS AT 06.00, 09.00, 12.00, 15.00 AND 18.00 HOURS.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 5 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1969 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1969 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1969 TO DATE.
STABILITY OF CHANNEL REGIMES	STABLE.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS GOOD. FLOW REGULATED BY THE WEIR BUILT BY THE LOCAL RESIDENTS. STAGE-DISCHARGE RELATION DEFINED BY 34 DISCHARGE MEASUREMENTS MADE IN 1983.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.16	0.14	0.48	0.26	0.34	0.38	0.40	0.79	0.91	0.48	0.28	0.28	
2	0.16	0.14	0.51	0.26	0.38	1.36	0.38	0.78	0.88	0.53	0.28	0.30	
3	0.16	0.14	0.47	0.27	0.26	1.24	0.35	0.84	0.87	0.47	0.27	0.30	
4	0.17	0.14	0.48	0.26	0.24	1.35	0.37	0.88	0.85	0.46	0.26	0.29	
5	0.17	0.14	0.49	0.25	0.24	1.35	0.52	0.91	0.84	0.45	0.25	0.28	
6	0.17	0.14	0.48	0.24	0.23	1.51	0.57	0.91	0.83	0.44	0.24	0.27	
7	0.17	0.15	0.45	0.24	0.24	1.40	0.65	0.88	0.79	0.44	0.23	0.26	
8	0.17	0.15	0.43	0.24	0.39	1.24	0.74	0.85	0.75	0.40	0.24	0.25	
9	0.17	0.15	0.54	0.23	0.97	1.10	0.76	0.85	0.75	0.38	0.24	0.25	
10	0.17	0.14	0.64	0.23	0.94	1.12	0.77	0.97	0.76	0.36	0.23	0.25	
11	0.16	0.13	0.64	0.23	0.91	1.02	0.85	1.29	0.66	0.35	0.23	0.26	
12	0.16	0.13	0.61	0.33	1.04	1.14	0.95	1.43	0.65	0.34	0.23	0.26	
13	0.16	0.13	0.64	0.33	1.03	1.10	1.03	1.70	0.64	0.33	0.24	0.27	
14	0.16	0.13	0.58	0.28	0.91	0.96	0.96	1.60	0.59	0.32	0.25	0.27	
15	0.16	0.11	0.50	0.26	0.77	1.05	0.93	1.53	0.60	0.31	0.26	0.26	
16	0.16	0.11	0.42	0.25	0.65	0.95	1.13	1.42	0.55	0.30	0.27	0.26	
17	0.16	0.04	0.30	0.25	0.54	0.99	1.74	1.31	0.48	0.29	0.28	0.26	
18	0.16	0.08	0.29	0.24	0.44	0.96	1.41	1.33	0.48	0.29	0.29	0.25	
19	0.16	-0.17	0.28	0.24	0.37	0.88	1.34	1.28	0.48	0.30	0.31	0.26	
20	0.16	-0.17	0.27	0.24	0.36	0.96	1.32	1.24	0.47	0.30	0.30	0.27	
21	0.16	-0.29	0.26	0.24	0.34	0.99	1.25	1.19	0.51	0.30	0.29	0.27	
22	0.16	-0.28	0.25	0.24	0.33	0.92	1.21	1.13	0.61	0.30	0.28	0.27	
23	0.16	-0.27	0.25	0.25	0.33	0.89	1.19	1.11	0.54	0.29	0.26	0.27	
24	0.16	-0.29	0.28	0.24	0.34	0.83	1.25	1.07	0.50	0.29	0.25	0.26	
25	0.15	-0.30	0.37	0.24	0.35	0.66	1.13	1.03	0.48	0.29	0.25	0.26	
26	0.15	0.07	0.33	0.22	0.35	0.57	1.07	1.00	0.40	0.30	0.25	0.27	
27	0.15	0.10	0.30	0.21	0.36	0.55	0.98	0.98	0.38	0.30	0.25	0.27	
28	0.15	0.16	0.27	0.21	0.36	0.51	0.96	0.97	0.36	0.30	0.28	0.27	
29	0.15	0.19	0.27	0.24	0.36	0.54	0.90	0.96	0.44	0.30	0.27	0.27	
30	0.15	0.43	0.26	0.26	0.36	0.47	0.84	0.93	0.46	0.29		0.26	
31		0.50		0.32	0.35		0.93		0.45	0.29		0.26	
MEAN	0.16	0.06	0.41	0.25	0.49	0.97	0.93	1.11	0.61	0.35	0.26	0.27	
MAX	0.17	0.50	0.64	0.33	1.04	1.51	1.74	1.70	0.91	0.53	0.31	0.30	1.74
MIN	0.15	-0.30	0.25	0.21	0.23	0.38	0.35	0.78	0.36	0.29	0.23	0.25	-0.30

ANNUAL MAX MOMENTARY GAGE HEIGHT 1.83 M (A.D), AT 18.00 HOURS, ON NOV 13, 1983
ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D), RIVER BED -1.00 M (A.D)
LEFT BANK ELEVATION 5.06 M (A.D)
RIGHT BANK ELEVATION 5.06 M (A.D), DRAINAGE AREA 1970 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.03	0.02	0.64	0.11	0.24	0.33	0.38	2.75	4.37	0.64	0.13	0.13	
2	0.03	0.02	0.76	0.11	0.33	26.18	0.33	2.65	3.89	0.86	0.13	0.15	
3	0.03	0.02	0.61	0.12	0.11	17.24	0.26	3.37	3.76	0.61	0.12	0.15	
4	0.04	0.02	0.64	0.11	0.09	25.35	0.31	3.89	3.50	0.58	0.11	0.14	
5	0.04	0.02	0.68	0.10	0.09	25.35	0.81	4.37	3.37	0.54	0.10	0.13	
6	0.04	0.02	0.64	0.09	0.08	40.10	1.05	4.37	3.24	0.51	0.09	0.12	
7	0.04	0.03	0.54	0.09	0.09	29.50	1.53	3.89	2.75	0.51	0.08	0.11	
8	0.04	0.03	0.48	0.09	0.36	17.24	2.26	3.50	2.36	0.38	0.09	0.10	
9	0.04	0.03	0.91	0.08	5.66	9.55	2.45	3.50	2.36	0.33	0.09	0.10	
10	0.04	0.02	1.46	0.08	5.01	10.56	2.55	5.66	2.45	0.29	0.08	0.10	
11	0.03	0.01	1.46	0.08	4.37	6.95	3.50	20.54	1.60	0.26	0.08	0.11	
12	0.03	0.01	1.27	0.22	7.60	11.57	5.23	32.35	1.53	0.24	0.08	0.11	
13	0.03	0.01	1.46	0.22	7.27	9.55	7.27	62.50	1.46	0.22	0.09	0.12	
14	0.03	0.01	1.10	0.13	4.37	5.44	5.44	50.00	1.15	0.20	0.10	0.12	
15	0.03	0.00	0.71	0.11	2.55	7.92	4.80	42.30	1.20	0.17	0.11	0.11	
16	0.03	0.00	0.45	0.10	1.53	5.23	11.06	31.40	0.96	0.15	0.12	0.11	
17	0.03	0.00	0.15	0.10	0.91	6.09	68.02	22.03	0.64	0.14	0.13	0.11	
18	0.03	0.00	0.14	0.09	0.51	5.44	30.45	23.69	0.64	0.14	0.14	0.10	
19	0.03	0.00	0.13	0.09	0.31	3.89	24.52	19.88	0.64	0.15	0.17	0.11	
20	0.03	0.00	0.12	0.09	0.29	5.44	22.86	17.24	0.61	0.15	0.15	0.12	
21	0.03	0.00	0.11	0.09	0.24	6.09	17.90	14.10	0.76	0.15	0.14	0.12	
22	0.03	0.00	0.10	0.09	0.22	4.58	15.26	11.06	1.27	0.15	0.13	0.12	
23	0.03	0.00	0.10	0.10	0.22	4.02	14.10	10.05	0.91	0.14	0.11	0.12	
24	0.03	0.00	0.13	0.09	0.24	3.24	17.90	8.58	0.71	0.14	0.10	0.11	
25	0.03	0.00	0.31	0.09	0.26	1.60	11.06	7.27	0.64	0.14	0.10	0.11	
26	0.03	0.00	0.22	0.07	0.26	1.05	8.58	6.30	0.38	0.15	0.10	0.12	
27	0.03	0.00	0.15	0.06	0.29	0.96	5.87	5.87	0.33	0.15	0.10	0.12	
28	0.03	0.03	0.12	0.06	0.29	0.76	5.44	5.66	0.29	0.15	0.13	0.12	
29	0.03	0.04	0.12	0.09	0.29	0.91	4.15	5.44	0.51	0.15	0.12	0.12	
30	0.03	0.48	0.11	0.11	0.29	0.61	3.37	4.80	0.58	0.14		0.11	
31		0.71		0.20	0.26		4.80		0.54	0.14		0.11	
TOTAL	0.97	1.53	15.82	3.26	44.63	292.74	303.51	439.01	49.40	8.67	3.22	3.63	1166.39 CMSDAY
MEAN	0.03	0.05	0.53	0.11	1.44	9.76	9.79	14.63	1.59	0.28	0.11	0.12	3.19 CMS
MAX	0.04	0.71	1.46	0.22	7.60	40.10	68.02	62.50	4.37	0.86	0.17	0.15	68.02 CMS
MIN	0.03	0.00	0.10	0.06	0.08	0.33	0.26	2.65	0.29	0.14	0.08	0.10	0.00 CMS
RUNOFF	0.084	0.132	1.367	0.282	3.856	25.293	26.223	37.930	4.268	0.749	0.278	0.314	100.776 MCM

MOMENTARY PEAK 80.86 CMS, AT 1.83 M (A.D), AT 18.00 HOURS, ON NOV 13, 1983

RUNOFF YIELD 1.62 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 41.05 LITERS/SECOND/SQUARE KM

WATER YEAR 1983

PING RIVER BASIN

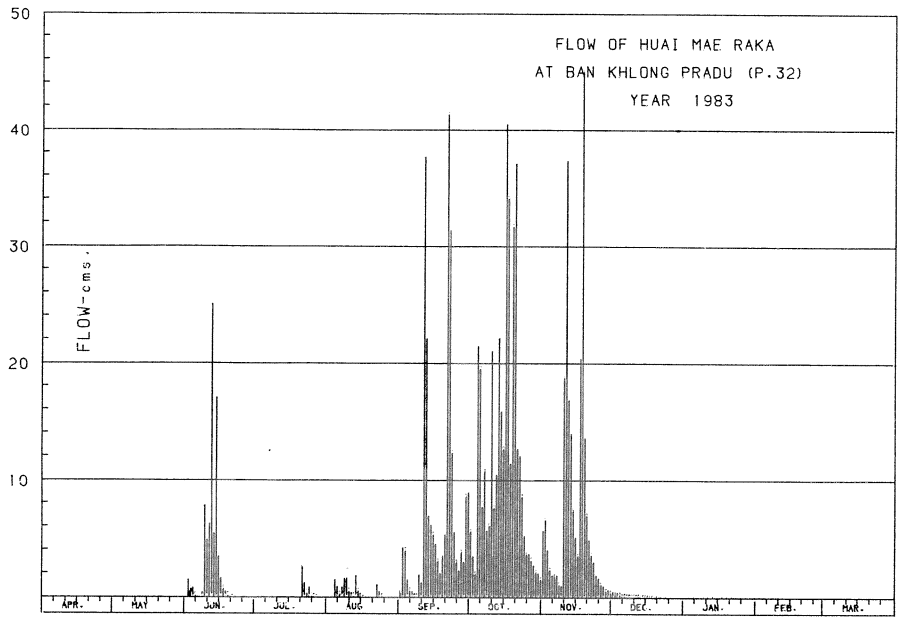
HUAI MAE RAKA AT BAN KHLONG PRADU, TAK (P.32)

LOCATION	LAT. 16°-55'-27" N., LONG. 99°-18'-09" E., ON RIGHT BANK AT BAN KHLONG PRADU, AMPHOE MUANG, TAK.
DRAINAGE AREA	342 SQ.KM.
TYPE OF GAGE	WATER-STAGE RECORDER.
ZERO GAGE AT BOTTOM	+0.00 M. (A.D.)
BENCH MARK	B.M.-H.D.
LOCATION	ON RIGHT BANK NEAR THE AUTOMATIC GAGE BUILDING.
ELEVATION	+3.516 M. (A.D.)
GAGE READING FREQUENCY	RECORDING.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 24 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1971 TO DATE
RATING OPERATION	
PERIOD OF RATING	1971 TO DATE
RATED BY FLOAT	-
RATED BY CURRENT METER	1971 TO DATE
STABILITY OF CHANNEL REGIMES	STABLE.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS GOOD. STAGE-DISCHARGE RELATION DEFINED BY 32 DISCHARGE MEASUREMENTS MADE IN 1983.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	-0.07	-0.07	0.00	0.10	0.08	0.22	0.82	0.81	0.21	0.10	0.05	-0.07	
2	-0.07	-0.07	0.38	0.09	0.07	0.68	0.61	0.90	0.20	0.09	0.05	-0.07	
3	-0.07	-0.07	0.29	0.09	0.12	0.68	0.47	0.66	0.20	0.08	0.05	-0.07	
4	-0.07	-0.07	0.27	0.08	0.41	0.38	1.74	0.51	0.20	0.08	0.05	-0.07	
5	-0.07	-0.07	0.18	0.06	0.29	0.27	1.66	0.43	0.17	0.08	0.04	-0.07	
6	-0.07	-0.07	0.11	0.05	0.21	0.21	0.97	0.44	0.17	0.08	0.03	-0.07	
7	-0.07	-0.07	0.11	0.04	0.28	0.16	1.19	0.43	0.16	0.09	0.03	-0.07	
8	-0.07	-0.07	0.19	0.05	0.43	0.16	0.81	0.35	0.15	0.09	0.03	-0.07	
9	-0.07	-0.07	1.00	0.05	0.40	0.47	0.86	0.30	0.15	0.09	0.03	-0.07	
10	-0.07	-0.07	0.74	0.03	0.26	0.34	1.72	1.62	0.15	0.09	0.03	-0.07	
11	-0.07	-0.07	0.88	0.03	0.19	2.43	0.98	2.41	0.15	0.09	-0.07	-0.07	
12	-0.07	-0.07	1.90	0.04	0.18	1.77	1.16	1.53	0.15	0.09	-0.07	-0.07	
13	-0.07	-0.07	0.81	0.04	0.43	0.93	1.78	1.37	0.14	0.09	-0.07	-0.07	
14	-0.07	-0.07	1.53	0.04	0.26	0.85	1.47	0.96	0.14	0.08	-0.07	-0.07	
15	-0.07	-0.07	0.63	0.03	0.17	0.80	1.31	0.76	0.14	0.08	-0.07	-0.07	
16	-0.07	-0.07	0.40	0.03	0.12	0.71	2.53	0.63	0.13	0.08	-0.07	-0.07	
17	-0.07	-0.07	0.30	0.07	0.11	0.59	2.29	1.69	0.13	0.08	-0.07	-0.07	
18	-0.07	-0.07	0.21	0.01	0.11	0.45	1.22	2.71	0.13	0.07	-0.07	-0.07	
19	-0.07	-0.07	0.19	0.00	0.09	0.63	2.19	1.35	0.12	0.07	-0.07	-0.07	
20	-0.07	-0.07	0.15	0.02	0.08	0.78	2.40	0.93	0.11	0.07	-0.07	-0.07	
21	-0.07	-0.07	0.13	0.53	0.10	2.57	1.31	0.74	0.11	0.06	-0.07	-0.07	
22	-0.07	-0.07	0.12	0.34	0.35	2.17	1.26	0.64	0.11	0.06	-0.07	-0.07	
23	-0.07	-0.07	0.11	0.24	0.21	1.29	1.05	0.56	0.10	0.06	-0.07	-0.07	
24	-0.07	-0.07	0.09	0.28	0.16	0.80	0.77	0.46	0.09	0.06	-0.07	-0.07	
25	-0.07	-0.07	0.10	0.18	0.12	0.58	0.64	0.40	0.09	0.06	-0.07	-0.07	
26	-0.07	-0.07	0.10	0.16	0.10	0.48	0.63	0.35	0.09	0.06	-0.07	-0.07	
27	-0.07	-0.07	0.10	0.13	0.08	0.66	0.60	0.30	0.09	0.06	-0.07	-0.07	
28	-0.07	-0.07	0.09	0.10	0.07	0.56	0.53	0.26	0.09	0.05	-0.07	-0.07	
29	-0.07	-0.07	0.08	0.10	0.05	1.05	0.49	0.24	0.09	0.05	0.00	-0.07	
30	-0.07	-0.07	0.09	0.09	0.04	1.06	0.45	0.23	0.09	0.05		-0.07	
31		-0.07		0.08	0.05		0.41		0.09	0.05		0.00	
MEAN	-0.07	-0.07	0.38	0.10	0.18	0.82	1.17	0.83	0.13	0.07	-0.03	-0.07	
MAX	-0.07	-0.07	1.90	0.53	0.43	2.57	2.53	2.71	0.21	0.10	0.05	0.00	2.71
MIN	-0.07	-0.07	0.00	0.00	0.04	0.16	0.41	0.23	0.09	0.05	-0.07	-0.07	-0.07

ANNUAL MAX MOMENTARY GAGE HEIGHT 3.02 M (A.D), AT 9.00 HOURS, ON SEP 21, 1983
ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D), RIVER BED -0.07 M (A.D)
LEFT BANK ELEVATION 3.22 M (A.D)
RIGHT BANK ELEVATION 3.46 M (A.D), DRAINAGE AREA 342 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.00	0.00	0.00	0.10	0.08	0.56	5.81	5.69	0.50	0.10	0.05	0.00	
2	0.00	0.00	1.52	0.09	0.07	4.24	3.51	6.79	0.45	0.09	0.05	0.00	
3	0.00	0.00	0.93	0.09	0.17	4.24	2.21	4.03	0.45	0.08	0.05	0.00	
4	0.00	0.00	0.82	0.08	1.73	1.52	21.46	2.54	0.45	0.08	0.05	0.00	
5	0.00	0.00	0.38	0.06	0.93	0.82	19.76	1.89	0.35	0.08	0.04	0.00	
6	0.00	0.00	0.13	0.05	0.50	0.50	7.71	1.97	0.35	0.08	0.03	0.00	
7	0.00	0.00	0.13	0.04	0.87	0.31	10.94	1.89	0.31	0.09	0.03	0.00	
8	0.00	0.00	0.42	0.05	1.89	0.31	5.69	1.31	0.28	0.09	0.03	0.00	
9	0.00	0.00	8.10	0.05	1.65	2.21	6.30	0.98	0.28	0.09	0.03	0.00	
10	0.00	0.00	4.90	0.03	0.77	1.25	21.03	18.92	0.28	0.09	0.03	0.00	
11	0.00	0.00	6.55	0.03	0.42	37.88	7.84	37.36	0.28	0.09	0.00	0.00	
12	0.00	0.00	25.05	0.04	0.38	22.10	10.46	17.06	0.28	0.09	0.00	0.00	
13	0.00	0.00	5.69	0.04	1.89	7.18	22.32	13.96	0.24	0.09	0.00	0.00	
14	0.00	0.00	17.06	0.04	0.77	6.18	15.87	7.58	0.24	0.08	0.00	0.00	
15	0.00	0.00	3.72	0.03	0.35	5.57	12.88	5.12	0.24	0.08	0.00	0.00	
16	0.00	0.00	1.65	0.03	0.17	4.56	40.48	3.72	0.20	0.08	0.00	0.00	
17	0.00	0.00	0.98	0.07	0.13	3.30	34.31	20.39	0.20	0.08	0.00	0.00	
18	0.00	0.00	0.50	0.01	0.13	2.05	11.42	45.16	0.20	0.07	0.00	0.00	
19	0.00	0.00	0.42	0.00	0.09	3.72	31.86	13.60	0.17	0.07	0.00	0.00	
20	0.00	0.00	0.28	0.02	0.08	5.35	37.10	7.18	0.13	0.07	0.00	0.00	
21	0.00	0.00	0.20	2.73	0.10	41.52	12.88	4.90	0.13	0.06	0.00	0.00	
22	0.00	0.00	0.17	1.25	1.31	31.38	12.06	3.82	0.13	0.06	0.00	0.00	
23	0.00	0.00	0.13	0.66	0.50	12.54	8.80	3.02	0.10	0.06	0.00	0.00	
24	0.00	0.00	0.09	0.87	0.31	5.57	5.23	2.13	0.09	0.06	0.00	0.00	
25	0.00	0.00	0.10	0.38	0.17	3.21	3.82	1.65	0.09	0.06	0.00	0.00	
26	0.00	0.00	0.10	0.31	0.10	2.29	3.72	1.31	0.09	0.06	0.00	0.00	
27	0.00	0.00	0.10	0.20	0.08	4.03	3.40	0.98	0.09	0.06	0.00	0.00	
28	0.00	0.00	0.09	0.10	0.07	3.02	2.73	0.77	0.09	0.05	0.00	0.00	
29	0.00	0.00	0.08	0.10	0.05	8.80	2.37	0.66	0.09	0.05	0.00	0.00	
30	0.00	0.00	0.09	0.09	0.04	8.94	2.05	0.61	0.09	0.05		0.00	
31		0.00		0.08	0.05		1.73		0.09	0.05		0.00	
TOTAL	0.00	0.00	80.38	7.72	15.85	235.15	387.75	236.99	6.96	2.29	0.39	0.00	973.48 CMSDAY
MEAN	0.00	0.00	2.68	0.25	0.51	7.84	12.51	7.90	0.22	0.07	0.01	0.00	2.66 CMS
MAX	0.00	0.00	25.05	2.73	1.89	41.52	40.48	45.16	0.50	0.10	0.05	0.00	45.16 CMS
MIN	0.00	0.00	0.00	0.00	0.04	0.31	1.73	0.61	0.09	0.05	0.00	0.00	0.00 CMS
RUNOFF	0.000	0.000	6.945	0.667	1.369	20.317	33.502	20.476	0.601	0.198	0.034	0.000	84.109 MCM

MOMENTARY PEAK 53.34 CMS, AT 3.02 M (A.D), AT 9.00 HOURS, ON SEP 21, 1983
RUNOFF YIELD 7.78 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 155.96 LITERS/SECOND/SQUARE KM

WATER YEAR 1983

PING RIVER BASIN

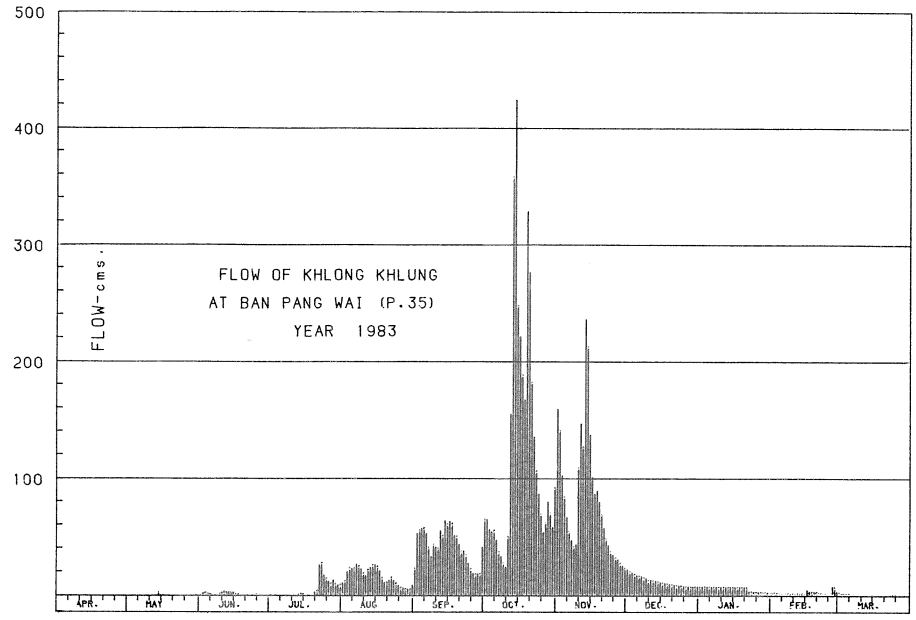
KHLONG KHLUNG AT BAN PANG WAI, KAMPHAENG PHET (P.35)

LOCATION	LAT. 16°-04'-22" N., LONG. 99°-24'-18" E., ON RIGHT BANK AT BAN PANG WAI ABOUT 1.5 KILOMETERS FROM KHAO SONG PHI NONG, AMPHOE KHLONG KHLUNG, KAMPHAENG PHET.
DRAINAGE AREA	730 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM	+0.00 M. (A.D.)
BENCH MARK	B.M.-H.D.
LOCATION	INFRONT OF STATION OFFICE.
ELEVATION	B.M.1=+4.502 M. (A.D.), B.M.2=4.472 M. (A.D.)
GAGE READING FREQUENCY	5-TIME DAILY READINGS AT 06.00, 09.00, 12.00, 15.00 AND 18.00 HOURS.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 5 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1974 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1974 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1974 TO DATE.
STABILITY OF CHANNEL REGIMES	FAIRLY STABLE WITH VARIABLE WATER SURFACE SLOPE.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS FAIR. STAGE-DISCHARGE RELATION DEFINED BY 191 DISCHARGE MEASUREMENTS MADE IN 1983.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.11	0.13	0.37	0.30	1.28	1.69	2.56	3.20	1.31	0.90	0.62	0.63	
2	0.11	0.13	0.57	0.27	1.35	2.34	2.56	3.01	1.28	0.89	0.62	0.60	
3	0.11	0.14	0.69	0.26	1.60	2.40	2.44	2.57	1.25	0.87	0.61	0.58	
4	0.11	0.12	0.59	0.24	1.70	2.42	2.37	2.34	1.22	0.87	0.60	0.58	
5	0.10	0.11	0.48	0.26	1.68	2.43	2.39	2.09	1.19	0.85	0.60	0.57	
6	0.10	0.11	0.40	0.25	1.69	2.34	2.23	1.91	1.18	0.84	0.60	0.55	
7	0.10	0.11	0.36	0.24	1.78	2.11	2.03	1.78	1.17	0.83	0.60	0.53	
8	0.10	0.11	0.34	0.24	1.74	1.93	1.93	1.69	1.15	0.82	0.59	0.53	
9	0.10	0.11	0.57	0.25	1.67	2.16	1.81	1.72	1.13	0.81	0.58	0.52	
10	0.10	0.10	0.70	0.28	1.57	2.11	1.71	2.65	1.09	0.81	0.58	0.52	
11	0.09	0.10	0.80	0.27	1.50	2.09	2.29	3.07	1.09	0.80	0.57	0.52	
12	0.09	0.23	0.76	0.31	1.65	2.38	3.69	2.86	1.08	0.79	0.59	0.51	
13	0.09	0.33	0.71	0.42	1.70	2.31	4.98	3.94	1.07	0.79	0.59	0.48	
14	0.09	0.70	0.71	0.57	1.76	2.54	5.28	3.72	1.05	0.79	0.57	0.49	
15	0.09	0.40	0.67	0.50	1.77	2.49	4.39	2.97	1.03	0.77	0.58	0.50	
16	0.09	0.33	0.61	0.43	1.73	2.53	3.80	2.55	1.02	0.77	0.79	0.48	
17	0.10	0.30	0.50	0.38	1.62	2.50	3.49	2.37	1.01	0.76	0.69	0.48	
18	0.10	0.26	0.45	0.36	1.45	2.31	3.28	2.43	0.99	0.76	0.68	0.47	
19	0.10	0.23	0.39	0.33	1.30	2.30	4.77	2.28	0.98	0.76	0.67	0.47	
20	0.10	0.20	0.41	0.74	1.31	2.16	4.30	2.13	0.97	0.74	0.66	0.47	
21	0.11	0.18	0.39	0.89	1.37	2.04	3.43	1.95	0.95	0.71	0.62	0.47	
22	0.11	0.17	0.34	1.76	1.46	2.04	2.95	1.81	0.94	0.69	0.59	0.47	
23	0.12	0.16	0.40	1.81	1.36	1.97	2.62	1.71	0.93	0.68	0.59	0.48	
24	0.12	0.15	0.44	1.52	1.28	1.80	2.37	1.62	0.93	0.67	0.56	0.52	
25	0.12	0.15	0.45	1.43	1.19	1.68	2.14	1.56	0.91	0.66	0.53	0.50	
26	0.12	0.16	0.42	1.33	1.09	1.56	1.89	1.52	0.90	0.65	0.54	0.50	
27	0.12	0.19	0.36	1.27	1.06	1.55	2.03	1.49	0.89	0.65	0.85	0.49	
28	0.12	0.31	0.34	1.37	1.03	1.55	2.28	1.43	0.88	0.64	0.78	0.47	
29	0.12	0.34	0.30	1.26	0.99	1.56	2.15	1.38	0.88	0.63	0.68	0.48	
30	0.12	0.29	0.33	1.20	1.00	2.11	1.96	1.34	0.88	0.62		0.49	
31		0.27		1.22	1.19		2.44		0.89	0.62		0.50	
MEAN	0.11	0.21	0.49	0.71	1.45	2.11	2.86	2.24	1.04	0.76	0.63	0.51	
MAX	0.12	0.70	0.80	1.81	1.78	2.54	5.28	3.94	1.31	0.90	0.85	0.63	5.28
MIN	0.09	0.10	0.30	0.24	0.99	1.55	1.71	1.34	0.88	0.62	0.53	0.47	0.09

ANNUAL MAX MOMENTARY GAGE HEIGHT 5.83 M (A.D), AT 2.00 HOURS, ON OCT 14, 1983
ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D), RIVER BED M (A.D)
LEFT BANK ELEVATION 13.40 M (A.D)
RIGHT BANK ELEVATION 12.77 M (A.D), DRAINAGE AREA 730 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.03	0.07	0.84	0.48	11.00	23.65	65.30	159.50	22.45	7.90	2.66	2.81	
2	0.03	0.07	2.03	0.40	12.85	53.20	65.30	141.45	21.15	7.87	2.66	2.35	
3	0.03	0.09	2.85	0.37	20.50	56.50	58.70	102.60	19.87	7.81	2.51	2.09	
4	0.03	0.05	2.16	0.31	24.00	57.60	54.85	84.75	18.60	7.81	2.35	2.09	
5	0.01	0.03	1.46	0.37	23.30	58.15	55.95	66.85	17.36	7.75	2.35	1.96	
6	0.01	0.03	1.00	0.34	23.65	53.20	47.50	55.15	16.96	7.72	2.35	1.70	
7	0.01	0.03	0.79	0.31	27.00	41.50	37.85	47.30	16.56	7.69	2.35	1.44	
8	0.01	0.03	0.69	0.31	25.50	33.35	33.35	41.95	15.77	7.66	2.22	1.44	
9	0.01	0.03	2.03	0.34	22.95	44.00	28.17	43.70	14.98	7.63	2.09	1.31	
10	0.01	0.01	2.92	0.42	19.45	41.50	24.37	109.25	13.48	7.63	2.09	1.31	
11	0.01	0.01	3.73	0.40	17.00	40.55	50.50	147.15	13.48	7.60	1.96	1.31	
12	0.01	0.28	3.41	0.53	22.25	55.40	155.40	127.40	13.15	7.57	2.22	1.18	
13	0.01	0.64	3.00	1.12	24.00	51.55	358.30	236.40	12.83	7.57	2.22	0.84	
14	0.01	2.92	3.00	2.03	26.25	64.20	424.40	213.10	12.17	7.57	1.96	0.95	
15	0.01	1.00	2.71	1.58	26.62	61.45	248.45	137.65	11.52	7.51	2.09	1.05	
16	0.01	0.64	2.29	1.17	25.12	63.65	221.50	101.00	11.20	7.51	7.57	0.84	
17	0.01	0.48	1.58	0.90	21.20	62.00	188.95	87.00	10.88	7.48	3.75	0.84	
18	0.01	0.37	1.29	0.79	15.63	51.55	167.50	91.57	10.29	7.48	3.59	0.73	
19	0.01	0.28	0.95	0.64	11.45	51.00	330.90	80.25	10.02	7.48	3.44	0.73	
20	0.01	0.20	1.06	3.24	11.73	44.00	276.50	69.53	9.76	7.42	3.28	0.73	
21	0.03	0.16	0.95	4.51	13.41	38.30	182.65	57.75	9.23	7.33	2.66	0.73	
22	0.03	0.14	0.69	26.25	15.90	38.30	135.75	49.10	8.96	3.75	2.22	0.73	
23	0.05	0.12	1.00	28.17	13.13	35.15	106.70	43.10	8.70	3.59	2.22	0.84	
24	0.05	0.11	1.23	17.70	11.00	27.75	87.00	38.10	8.70	3.44	1.83	1.31	
25	0.05	0.11	1.29	15.07	9.02	23.30	70.20	34.80	8.17	3.28	1.44	1.05	
26	0.05	0.12	1.12	12.29	7.19	19.10	53.90	32.60	7.90	3.12	1.57	1.05	
27	0.05	0.18	0.79	10.77	6.71	18.75	62.95	31.00	7.87	3.12	7.75	0.95	
28	0.05	0.53	0.69	13.41	6.23	18.75	80.25	28.00	7.84	2.97	7.54	0.73	
29	0.05	0.69	0.48	10.55	5.64	19.10	70.88	25.60	7.84	2.81	3.59	0.84	
30	0.05	0.45	0.64	9.20	5.75	41.50	58.40	23.80	7.84	2.66		0.95	
31		0.40		9.65	9.02		92.35		7.87	2.66		1.05	
TOTAL	0.74	10.27	48.67	173.62	514.45	1288.00	3894.77	2507.40	383.40	191.39	86.53	37.93	9137.17 CMSDAY
MEAN	0.02	0.33	1.62	5.60	16.60	42.93	125.64	83.58	12.37	6.17	2.98	1.22	24.96 CMS
MAX	0.05	2.92	3.73	28.17	27.00	64.20	424.40	236.40	22.45	7.90	7.75	2.81	424.40 CMS
MIN	0.01	0.01	0.48	0.31	5.64	18.75	24.37	23.80	7.84	2.66	1.44	0.73	0.01 CMS
RUNOFF	0.064	0.887	4.205	15.001	44.448	111.283	336.508	216.639	33.126	16.536	7.476	3.277	789.452 MCM

MOMENTARY PEAK 557.80 CMS, AT 5.83 M (A.D), AT 2.00 HOURS, ON OCT 14, 1983

RUNOFF YIELD 34.20 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 764.11 LITERS/SECOND/SQUARE KM

WATER YEAR 1983

PING RIVER BASIN

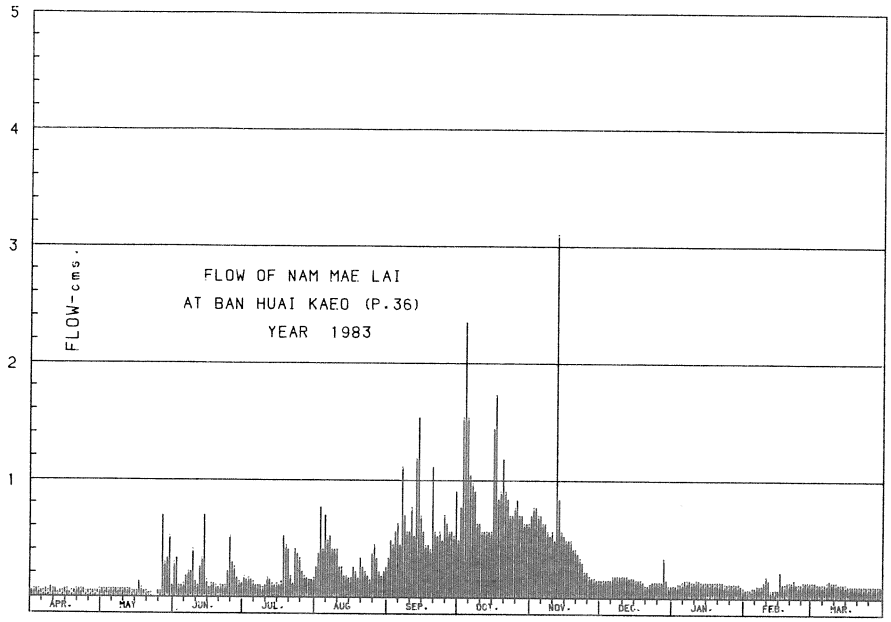
NAM MAE LAI AT BAN HUAI KAEO, CHIANG MAI (P.36)

LOCATION	LAT. 18°-51'-26" N., LONG. 99°-17'-12" E., ON RIGHT BANK AT BAN HUAI KAEO, TAMBON HUAI KAEO, AMPHOE SAN KAMPHAENG, CHIANG MAI.
DRAINAGE AREA	35 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM	+558.80 M. (M.S.L.)
BENCH MARK	B.M.-H.D.
LOCATION	NEAR THE GAGE OBSERVER'S HOUSE.
ELEVATION	+565.610 M. (M.S.L.)
GAGE READING FREQUENCY	5-TIME DAILY READINGS AT 06.00, 09.00, 12.00, 15.00 AND 18.00 HOURS.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 5 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1977 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1977 - 1983.
RATED BY FLOAT	-
RATED BY CURRENT METER	1977 - 1983.
STABILITY OF CHANNEL REGIMES	STABLE.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS GOOD. STAGE-DISCHARGE RELATION DEFINED BY 94 DISCHARGE MEASUREMENTS MADE IN 1983.

GAGE HEIGHT IN METER (MSL), WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	559.22	559.23	559.33	559.30	559.32	559.34	559.38	559.42	559.28	559.25	559.23	559.27	
2	559.23	559.23	559.34	559.28	559.35	559.38	559.43	559.43	559.28	559.25	559.23	559.27	
3	559.23	559.23	559.25	559.29	559.43	559.37	559.53	559.43	559.28	559.26	559.23	559.26	
4	559.23	559.23	559.25	559.28	559.36	559.40	559.61	559.42	559.28	559.26	559.24	559.26	
5	559.22	559.23	559.26	559.27	559.42	559.41	559.53	559.42	559.28	559.27	559.24	559.26	
6	559.22	559.23	559.30	559.25	559.38	559.37	559.47	559.41	559.30	559.28	559.25	559.26	
7	559.23	559.23	559.31	559.25	559.39	559.48	559.46	559.41	559.30	559.28	559.25	559.27	
8	559.22	559.23	559.31	559.25	559.36	559.42	559.45	559.40	559.30	559.28	559.25	559.28	
9	559.24	559.23	559.36	559.24	559.36	559.40	559.41	559.39	559.30	559.27	559.27	559.27	
10	559.23	559.23	559.27	559.25	559.36	559.40	559.41	559.40	559.30	559.27	559.30	559.27	
11	559.23	559.23	559.25	559.29	559.32	559.43	559.40	559.38	559.30	559.28	559.28	559.27	
12	559.21	559.23	559.32	559.28	559.32	559.39	559.40	559.66	559.30	559.28	559.23	559.26	
13	559.22	559.23	559.34	559.26	559.30	559.49	559.40	559.44	559.29	559.27	559.23	559.26	
14	559.22	559.22	559.42	559.25	559.30	559.53	559.40	559.40	559.29	559.27	559.23	559.26	
15	559.23	559.22	559.28	559.26	559.29	559.42	559.40	559.39	559.29	559.27	559.23	559.26	
16	559.23	559.22	559.24	559.25	559.29	559.40	559.52	559.38	559.28	559.27	559.31	559.25	
17	559.21	559.27	559.26	559.27	559.32	559.37	559.55	559.38	559.28	559.27	559.26	559.25	
18	559.22	559.24	559.26	559.39	559.31	559.37	559.44	559.38	559.28	559.27	559.26	559.25	
19	559.22	559.22	559.25	559.37	559.29	559.36	559.45	559.36	559.27	559.27	559.27	559.25	
20	559.23	559.22	559.24	559.36	559.34	559.48	559.49	559.36	559.25	559.27	559.27	559.25	
21	559.23	559.21	559.25	559.30	559.32	559.40	559.45	559.35	559.25	559.27	559.27	559.25	
22	559.23	559.21	559.25	559.26	559.31	559.39	559.44	559.34	559.26	559.27	559.28	559.25	
23	559.23	559.20	559.25	559.36	559.30	559.40	559.42	559.33	559.27	559.26	559.26	559.25	
24	559.22	559.18	559.31	559.35	559.28	559.38	559.42	559.31	559.27	559.26	559.26	559.25	
25	559.22	559.22	559.39	559.34	559.35	559.42	559.43	559.31	559.27	559.26	559.26	559.25	
26	559.22	559.22	559.33	559.31	559.37	559.41	559.44	559.30	559.27	559.26	559.27	559.25	
27	559.22	559.42	559.32	559.30	559.34	559.40	559.42	559.29	559.27	559.26	559.27	559.25	
28	559.22	559.33	559.29	559.29	559.31	559.40	559.42	559.29	559.34	559.26	559.27	559.25	
29	559.22	559.34	559.27	559.28	559.30	559.39	559.41	559.28	559.28	559.26	559.27	559.25	
30	559.23	559.39	559.26	559.28	559.31	559.45	559.41	559.28	559.25	559.25		559.25	
31		559.25		559.29	559.32		559.41		559.25	559.24		559.25	
MEAN	559.22	559.24	559.29	559.29	559.33	559.41	559.45	559.38	559.28	559.27	559.26	559.26	
MAX	559.24	559.42	559.42	559.39	559.43	559.53	559.61	559.66	559.34	559.28	559.31	559.28	559.66
MIN	559.21	559.18	559.24	559.24	559.28	559.34	559.38	559.28	559.25	559.24	559.23	559.25	559.18

ANNUAL MAX MOMENTARY GAGE HEIGHT 559.80 M (MSL), AT 7.00 HOURS, ON NOV 12, 1983
ZERO GAGE AT BOTTOM ELEVATION 558.80 M (MSL), RIVER BED 559.15 M (MSL)
LEFT BANK ELEVATION 564.47 M (MSL)
RIGHT BANK ELEVATION 566.19 M (MSL), DRAINAGE AREA 35 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.052	0.068	0.294	0.180	0.256	0.332	0.484	0.698	0.148	0.100	0.068	0.132	
2	0.068	0.068	0.332	0.148	0.370	0.484	0.767	0.767	0.148	0.100	0.068	0.132	
3	0.068	0.068	0.100	0.164	0.767	0.446	1.535	0.767	0.148	0.116	0.068	0.116	
4	0.068	0.068	0.100	0.148	0.408	0.560	2.350	0.698	0.148	0.116	0.084	0.116	
5	0.052	0.068	0.116	0.132	0.698	0.629	1.535	0.698	0.148	0.132	0.084	0.116	
6	0.052	0.068	0.180	0.100	0.484	0.446	1.043	0.629	0.180	0.148	0.100	0.116	
7	0.068	0.068	0.218	0.100	0.522	1.112	0.974	0.629	0.180	0.148	0.100	0.132	
8	0.052	0.068	0.218	0.100	0.408	0.698	0.905	0.560	0.180	0.148	0.100	0.148	
9	0.084	0.068	0.408	0.084	0.408	0.560	0.629	0.522	0.180	0.132	0.132	0.132	
10	0.068	0.068	0.132	0.100	0.408	0.560	0.629	0.560	0.180	0.132	0.180	0.132	
11	0.068	0.068	0.100	0.164	0.256	0.767	0.560	0.484	0.180	0.148	0.148	0.132	
12	0.036	0.068	0.256	0.148	0.256	0.522	0.560	3.100	0.180	0.148	0.068	0.116	
13	0.052	0.068	0.332	0.116	0.180	1.181	0.560	0.836	0.164	0.132	0.068	0.116	
14	0.052	0.052	0.698	0.100	0.180	1.535	0.560	0.560	0.164	0.132	0.068	0.116	
15	0.068	0.052	0.148	0.116	0.164	0.698	0.560	0.522	0.164	0.132	0.068	0.116	
16	0.068	0.052	0.084	0.100	0.164	0.560	1.440	0.484	0.148	0.132	0.218	0.100	
17	0.036	0.132	0.116	0.132	0.256	0.446	1.725	0.484	0.148	0.132	0.116	0.100	
18	0.052	0.084	0.116	0.522	0.218	0.446	0.836	0.484	0.148	0.132	0.116	0.100	
19	0.052	0.052	0.100	0.446	0.164	0.408	0.905	0.408	0.132	0.132	0.132	0.100	
20	0.068	0.052	0.084	0.408	0.332	1.112	1.181	0.408	0.100	0.132	0.132	0.100	
21	0.068	0.036	0.100	0.180	0.256	0.560	0.905	0.370	0.100	0.132	0.132	0.100	
22	0.068	0.036	0.100	0.116	0.218	0.522	0.836	0.332	0.116	0.132	0.148	0.100	
23	0.068	0.020	0.100	0.408	0.180	0.560	0.698	0.294	0.132	0.116	0.116	0.100	
24	0.052	0.016	0.218	0.370	0.148	0.484	0.698	0.218	0.132	0.116	0.116	0.100	
25	0.052	0.052	0.522	0.332	0.370	0.698	0.767	0.218	0.132	0.116	0.116	0.100	
26	0.052	0.052	0.294	0.218	0.446	0.629	0.836	0.180	0.132	0.116	0.132	0.100	
27	0.052	0.698	0.256	0.180	0.332	0.560	0.698	0.164	0.132	0.116	0.132	0.100	
28	0.052	0.294	0.164	0.164	0.218	0.560	0.698	0.164	0.332	0.116	0.132	0.100	
29	0.052	0.332	0.132	0.148	0.180	0.522	0.629	0.148	0.148	0.116	0.132	0.100	
30	0.068	0.522	0.116	0.148	0.218	0.905	0.629	0.148	0.100	0.100		0.100	
31		0.100		0.164	0.256		0.629		0.100	0.084		0.100	
TOTAL	1.768	3.518	6.134	5.936	9.721	19.502	27.761	16.534	4.724	3.884	3.274	3.468	106.224 CMSDAY
MEAN	0.059	0.113	0.204	0.191	0.314	0.650	0.896	0.551	0.152	0.125	0.113	0.112	0.290 CMS
MAX	0.084	0.698	0.698	0.522	0.767	1.535	2.350	3.100	0.332	0.148	0.218	0.148	3.100 CMS
MIN	0.036	0.016	0.084	0.084	0.148	0.332	0.484	0.148	0.100	0.084	0.068	0.100	0.016 CMS
RUNOFF	0.153	0.304	0.530	0.513	0.840	1.685	2.399	1.429	0.408	0.336	0.283	0.300	9.178 MCM

MOMENTARY PEAK 6.05 CMS, AT 559.80 M (MSL), AT 7.00 HOURS, ON NOV 12, 1983

RUNOFF YIELD 8.29 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 172.86 LITERS/SECOND/SQUARE KM

WATER YEAR 1983

PING RIVER BASIN

HUAI MAE PHAEM AT BAN HUAI KAEO, CHIANG MAI (P.37)

LOCATION — LAT. 18°-50'-48" N., LONG. 99°-16'-22" E., ON RIGHT BANK ABOUT 2 KILOMETERS FROM NAM MAE LAI, BAN HUAI KAEO, AMPHOE SAN KAMPHAENG, CHIANG MAI.

DRAINAGE AREA — 14 SQ.KM.

TYPE OF GAGE — STAFF GAGE.

ZERO GAGE AT BOTTOM — +527.23 M. (M.S.L.)

BENCH MARK — B.M.-H.D.

LOCATION — ABOUT 8 METERS FROM STAFF GAGE.

ELEVATION — +531.056 M. (M.S.L.)

GAGE READING FREQUENCY — 5-TIME DAILY READINGS AT 06.00, 09.00, 12.00, 15.00 AND 18.00 HOURS.

BASIS OF MEAN DAILY GAGE HEIGHT — ARITHMETIC MEAN OF 5 READINGS.

PERIOD OF AVAILABLE GAGE RECORDS — 1977 TO DATE.

RATING OPERATION

PERIOD OF RATING — 1977 - 1983.

RATED BY FLOAT — -

RATED BY CURRENT METER — 1977 - 1983.

STABILITY OF CHANNEL REGIMES — STABLE.

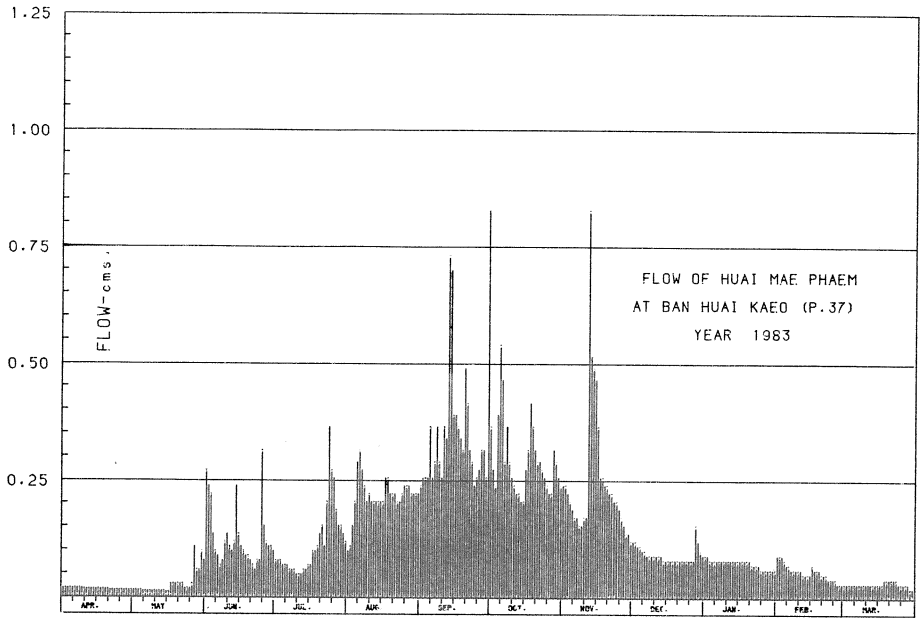
OVERBANK FLOW CONDITIONS — NO OVERBANK FLOW.

GENERAL DESCRIPTION — RECORDS GOOD. STAGE-DISCHARGERELATION DEFINED BY 66 DISCHARGE MEASUREMENTS MADE IN 1983.

GAGE HEIGHT IN METER (MSL), WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	527.80	527.78	527.99	527.86	527.88	527.97	528.03	527.97	527.90	527.87	527.87	527.81	
2	527.80	527.78	527.97	527.86	527.89	527.98	527.99	527.97	527.90	527.87	527.87	527.81	
3	527.80	527.78	527.96	527.86	527.92	527.98	527.97	527.96	527.89	527.86	527.87	527.81	
4	527.80	527.78	527.91	527.85	527.95	527.98	528.04	527.95	527.89	527.86	527.86	527.81	
5	527.80	527.77	527.88	527.85	528.00	528.03	528.10	527.94	527.88	527.86	527.85	527.81	
6	527.80	527.77	527.87	527.85	528.01	527.98	528.07	527.93	527.88	527.86	527.85	527.81	
7	527.80	527.77	527.85	527.84	527.99	528.00	528.00	527.93	527.87	527.86	527.84	527.81	
8	527.80	527.77	527.86	527.84	527.97	528.03	528.03	527.92	527.87	527.86	527.84	527.81	
9	527.80	527.77	527.90	527.84	527.95	528.00	528.00	527.92	527.87	527.86	527.84	527.81	
10	527.79	527.77	527.91	527.83	527.96	527.98	527.98	527.93	527.87	527.86	527.84	527.81	
11	527.79	527.77	527.89	527.83	527.95	528.03	527.97	527.93	527.87	527.86	527.84	527.81	
12	527.79	527.77	527.88	527.83	527.95	528.02	527.96	528.19	527.87	527.86	527.83	527.81	
13	527.79	527.77	527.90	527.84	527.95	528.16	527.96	528.09	527.87	527.86	527.83	527.81	
14	527.79	527.77	527.97	527.84	527.95	528.15	527.95	528.08	527.86	527.86	527.83	527.81	
15	527.79	527.76	527.91	527.85	527.95	528.04	527.95	528.07	527.86	527.86	527.83	527.81	
16	527.79	527.76	527.89	527.85	527.95	528.04	527.99	528.03	527.86	527.86	527.85	527.81	
17	527.79	527.81	527.88	527.88	527.98	528.03	528.01	527.98	527.86	527.86	527.84	527.81	
18	527.79	527.81	527.87	527.88	527.98	528.02	528.05	527.98	527.86	527.86	527.84	527.82	
19	527.79	527.81	527.87	527.89	527.96	528.01	528.03	527.97	527.86	527.86	527.84	527.82	
20	527.79	527.81	527.86	527.91	527.96	528.08	528.01	527.97	527.86	527.86	527.83	527.82	
21	527.78	527.81	527.85	527.92	527.96	528.05	528.00	527.96	527.86	527.85	527.83	527.82	
22	527.78	527.81	527.84	527.89	527.95	528.01	528.00	527.96	527.86	527.85	527.83	527.82	
23	527.78	527.80	527.86	527.95	527.95	528.00	527.99	527.95	527.86	527.85	527.82	527.82	
24	527.78	527.80	527.86	528.03	527.96	527.97	527.98	527.95	527.86	527.85	527.82	527.81	
25	527.78	527.80	528.01	527.99	527.97	527.98	527.97	527.94	527.86	527.84	527.82	527.81	
26	527.78	527.81	527.92	527.98	527.97	527.99	527.96	527.93	527.86	527.84	527.82	527.81	
27	527.78	527.89	527.90	527.94	527.97	528.01	527.96	527.92	527.86	527.84	527.81	527.81	
28	527.78	527.84	527.89	527.92	527.96	528.01	528.01	527.91	527.92	527.84	527.81	527.81	
29	527.78	527.84	527.89	527.92	527.96	527.98	528.00	527.91	527.90	527.84	527.81	527.80	
30	527.78	527.88	527.88	527.91	527.96	528.19	527.98	527.90	527.88	527.84		527.80	
31		527.86		527.90	527.96		527.97		527.87	527.84		527.80	
MEAN	527.79	527.80	527.90	527.88	527.96	528.02	528.00	527.97	527.87	527.85	527.84	527.81	
MAX	527.80	527.89	528.01	528.03	528.01	528.19	528.10	528.19	527.92	527.87	527.87	527.82	528.19
MIN	527.78	527.76	527.84	527.83	527.88	527.97	527.95	527.90	527.86	527.84	527.81	527.80	527.76

ANNUAL MAX MOMENTARY GAGE HEIGHT 528.21 M (MSL), AT 15.00 HOURS, ON NOV 12, 1983
ZERO GAGE AT BOTTOM ELEVATION 527.23 M (MSL), RIVER BED 527.54 M (MSL)
LEFT BANK ELEVATION 531.89 M (MSL)
RIGHT BANK ELEVATION 531.92 M (MSL), DRAINAGE AREA 14 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.020	0.016	0.273	0.080	0.100	0.239	0.365	0.239	0.120	0.090	0.090	0.030	
2	0.020	0.016	0.239	0.080	0.110	0.256	0.273	0.239	0.120	0.090	0.090	0.030	
3	0.020	0.016	0.222	0.080	0.154	0.256	0.239	0.222	0.110	0.080	0.090	0.030	
4	0.020	0.016	0.137	0.070	0.205	0.256	0.390	0.205	0.110	0.080	0.080	0.030	
5	0.020	0.014	0.100	0.070	0.290	0.365	0.540	0.188	0.100	0.080	0.070	0.030	
6	0.020	0.014	0.090	0.070	0.315	0.256	0.465	0.171	0.100	0.080	0.070	0.030	
7	0.020	0.014	0.070	0.060	0.273	0.290	0.290	0.171	0.090	0.080	0.060	0.030	
8	0.020	0.014	0.080	0.060	0.239	0.365	0.365	0.154	0.090	0.080	0.060	0.030	
9	0.020	0.014	0.120	0.060	0.205	0.290	0.290	0.154	0.090	0.080	0.060	0.030	
10	0.018	0.014	0.137	0.050	0.222	0.256	0.256	0.171	0.090	0.080	0.060	0.030	
11	0.018	0.014	0.110	0.050	0.205	0.365	0.239	0.171	0.090	0.080	0.060	0.030	
12	0.018	0.014	0.100	0.050	0.205	0.340	0.222	0.828	0.090	0.080	0.050	0.030	
13	0.018	0.014	0.120	0.060	0.205	0.732	0.222	0.515	0.090	0.080	0.050	0.030	
14	0.018	0.014	0.239	0.060	0.205	0.700	0.205	0.490	0.080	0.080	0.050	0.030	
15	0.018	0.012	0.137	0.070	0.205	0.390	0.205	0.465	0.080	0.080	0.050	0.030	
16	0.018	0.012	0.110	0.070	0.205	0.390	0.273	0.365	0.080	0.080	0.070	0.030	
17	0.018	0.030	0.100	0.100	0.256	0.365	0.315	0.256	0.080	0.080	0.060	0.030	
18	0.018	0.030	0.090	0.100	0.256	0.340	0.415	0.256	0.080	0.080	0.060	0.040	
19	0.018	0.030	0.090	0.110	0.222	0.315	0.365	0.239	0.080	0.080	0.060	0.040	
20	0.018	0.030	0.080	0.137	0.222	0.490	0.315	0.239	0.080	0.080	0.050	0.040	
21	0.016	0.030	0.070	0.154	0.222	0.415	0.290	0.222	0.080	0.070	0.050	0.040	
22	0.016	0.030	0.060	0.110	0.205	0.315	0.290	0.222	0.080	0.070	0.050	0.040	
23	0.016	0.020	0.080	0.205	0.205	0.290	0.273	0.205	0.080	0.070	0.040	0.040	
24	0.016	0.020	0.080	0.365	0.222	0.239	0.256	0.205	0.080	0.070	0.040	0.030	
25	0.016	0.020	0.315	0.273	0.239	0.256	0.239	0.188	0.080	0.060	0.040	0.030	
26	0.016	0.030	0.154	0.256	0.239	0.273	0.222	0.171	0.080	0.060	0.040	0.030	
27	0.016	0.110	0.120	0.188	0.239	0.315	0.222	0.154	0.080	0.060	0.030	0.030	
28	0.016	0.060	0.110	0.154	0.222	0.315	0.315	0.137	0.154	0.060	0.030	0.030	
29	0.016	0.060	0.110	0.154	0.222	0.256	0.290	0.137	0.120	0.060	0.030	0.020	
30	0.016	0.100	0.100	0.137	0.222	0.828	0.256	0.120	0.100	0.060		0.020	
31		0.080		0.120	0.222		0.239		0.090	0.060		0.020	
TOTAL	0.538	0.908	3.843	3.603	6.758	10.758	9.141	7.499	2.874	2.320	1.640	0.960	50.842 CMSDAY
MEAN	0.018	0.029	0.128	0.116	0.218	0.359	0.295	0.250	0.093	0.075	0.057	0.031	0.139 CMS
MAX	0.020	0.110	0.315	0.365	0.315	0.828	0.540	0.828	0.154	0.090	0.090	0.040	0.828 CMS
MIN	0.016	0.012	0.060	0.050	0.100	0.239	0.205	0.120	0.080	0.060	0.030	0.020	0.012 CMS
RUNOFF	0.046	0.078	0.332	0.311	0.584	0.929	0.790	0.648	0.248	0.200	0.142	0.083	4.393 MCM

MOMENTARY PEAK 0.90 CMS, AT 528.21 M (MSL), AT 15.00 HOURS, ON NOV 12, 1983

RUNOFF YIELD 9.92 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 64.41 LITERS/SECOND/SQUARE KM

WATER YEAR 1983

PING RIVER BASIN

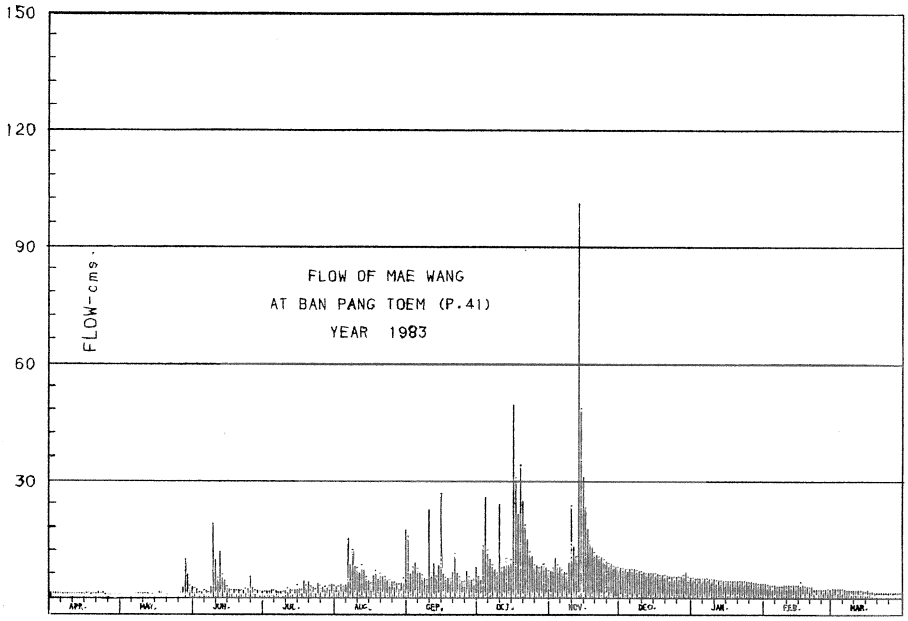
NAM MAE WANG AT BAN PANG TOEM, CHIANG MAI (P.41)

LOCATION	LAT. 18°-37'-00" N., LONG. 98°-44'-43" E., ON LEFT BANK ABOUT 1 KILOMETER FROM BAN PANG TOEM, AMPHOE SAN PA THONG, CHIANG MAI.
DRAINAGE AREA	426 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM	+322.20 M. (M.S.L.)
BENCH MARK	B.M.-H.D.
LOCATION	NEAR THE GAGE OBSERVER'S HOUSE.
ELEVATION	+329.595 M. (M.S.L.)
GAGE READING FREQUENCY	5-TIME DAILY READINGS AT 06.00, 09.00, 12.00, 15.00 AND 18.00 HOURS.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 5 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1978 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1979 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1979 TO DATE.
STABILITY OF CHANNEL REGIMES	FAIRLY STABLE WITH VARIABLE WATER SURFACE SLOPE AND SOME SILTING.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS FAIR. FLOW REGULATED BY THE WEIR BUILT BY THE LOCAL RESIDENTS. STAGE-DISCHARGE RELATION DEFINED BY 95 DISCHARGE MEASUREMENTS MADE IN 1983.

GAGE HEIGHT IN METER (MSL), WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	322.85	322.82	322.92	322.87	322.93	323.47	323.05	323.11	323.34	323.24	323.17	323.11	
2	322.85	322.82	322.90	322.87	322.94	323.08	323.01	323.15	323.34	323.23	323.16	323.11	
3	322.85	322.82	322.86	322.87	322.96	323.16	323.38	323.25	323.33	323.23	323.15	323.11	
4	322.85	322.82	322.85	322.89	322.94	323.20	323.83	323.18	323.33	323.23	323.15	323.11	
5	322.84	322.82	322.89	322.89	322.95	323.14	323.34	323.15	323.33	323.23	323.15	323.11	
6	322.84	322.83	322.88	322.87	323.44	323.09	323.24	323.13	323.33	323.23	323.14	323.10	
7	322.84	322.84	322.86	322.86	323.18	323.07	323.18	323.10	323.33	323.23	323.14	323.09	
8	322.84	322.84	322.93	322.86	323.34	323.03	323.13	323.09	323.32	323.22	323.14	323.09	
9	322.84	322.84	323.59	322.87	323.16	323.02	323.09	323.20	323.31	323.22	323.15	323.09	
10	322.84	322.84	323.23	322.87	323.15	323.72	323.77	323.76	323.31	323.22	323.15	323.09	
11	322.84	322.84	323.04	322.92	323.09	323.10	323.15	323.37	323.30	323.21	323.15	323.09	
12	322.84	322.84	323.32	322.89	323.18	323.19	323.16	323.27	323.29	323.21	323.15	323.09	
13	322.84	322.83	323.08	322.89	323.12	323.06	323.25	326.02	323.29	323.21	323.15	323.09	
14	322.84	322.83	323.01	322.89	323.05	323.17	323.17	324.55	323.29	323.20	323.15	323.08	
15	322.84	322.82	322.94	322.96	323.00	323.86	323.24	324.10	323.29	323.20	323.15	323.08	
16	322.85	322.83	322.90	322.90	322.98	323.08	324.58	323.87	323.29	323.20	323.19	323.09	
17	322.85	322.86	322.89	322.90	323.06	323.04	324.00	323.70	323.28	323.20	323.15	323.07	
18	322.84	322.85	322.89	323.00	323.12	323.03	323.68	323.60	323.27	323.20	323.14	323.07	
19	322.84	322.82	322.89	322.95	323.02	323.03	324.10	323.53	323.27	323.20	323.13	323.06	
20	322.84	322.82	322.89	322.99	323.09	323.10	323.80	323.49	323.27	323.20	323.13	323.06	
21	322.86	322.82	322.89	322.94	323.05	323.30	323.58	323.46	323.26	323.20	323.13	323.06	
22	322.85	322.81	322.88	322.92	323.05	323.09	323.44	323.45	323.25	323.20	323.10	323.06	
23	322.86	322.80	322.91	322.91	323.00	323.05	323.32	323.44	323.25	323.20	323.10	323.06	
24	322.83	322.80	322.90	322.97	323.02	323.00	323.27	323.42	323.25	323.19	323.10	323.06	
25	322.83	322.81	323.05	322.95	322.99	323.00	323.18	323.40	323.25	323.19	323.10	323.06	
26	322.82	322.83	322.92	322.92	322.99	323.11	323.17	323.39	323.25	323.19	323.10	323.06	
27	322.82	322.92	322.89	322.94	322.97	323.05	323.15	323.38	323.25	323.18	323.10	323.06	
28	322.82	323.24	322.88	322.91	322.97	323.01	323.16	323.36	323.27	323.18	323.11	323.06	
29	322.82	323.08	322.87	322.95	322.97	323.02	323.19	323.35	323.30	323.17	323.10	323.06	
30	322.82	322.95	322.86	322.96	323.04	323.15	323.15	323.35	323.25	323.17		323.06	
31		322.93		322.95	323.53		323.12		323.24	323.17		323.06	
MEAN	322.84	322.86	322.96	322.91	323.07	323.15	323.38	323.52	323.29	323.20	323.14	323.08	
MAX	322.86	323.24	323.59	323.00	323.53	323.86	324.58	326.02	323.34	323.24	323.19	323.11	326.02
MIN	322.82	322.80	322.85	322.86	322.93	323.00	323.01	323.09	323.24	323.17	323.10	323.06	322.80

ANNUAL MAX MOMENTARY GAGE HEIGHT 328.10 M (MSL), AT 13.00 HOURS, ON NOV 13, 1983
ZERO GAGE AT BOTTOM ELEVATION 322.20 M (MSL), RIVER BED 322.66 M (MSL)
LEFT BANK ELEVATION 329.12 M (MSL)
RIGHT BANK ELEVATION 329.50 M (MSL), DRAINAGE AREA 426 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	1.30	0.82	2.52	1.62	2.73	15.69	5.35	6.74	7.58	5.15	3.58	2.23	
2	1.30	0.82	2.10	1.62	2.94	6.04	4.43	7.70	7.58	4.93	3.35	2.23	
3	1.30	0.82	1.46	1.62	3.36	7.94	13.30	10.10	7.31	4.93	3.13	2.23	
4	1.30	0.82	1.30	1.94	2.94	8.90	25.70	8.42	7.31	4.93	3.13	2.23	
5	1.14	0.82	1.94	1.94	3.15	7.46	12.30	7.70	7.31	4.93	3.13	2.23	
6	1.14	0.98	1.78	1.62	14.88	6.27	9.86	7.22	7.31	4.93	2.90	2.00	
7	1.14	1.14	1.46	1.46	8.42	5.81	8.42	6.50	7.31	4.93	2.90	1.80	
8	1.14	1.14	2.73	1.46	12.30	4.89	7.22	6.27	7.04	4.70	2.90	1.80	
9	1.14	1.14	18.93	1.62	7.94	4.66	6.27	8.90	6.77	4.70	3.13	1.80	
10	1.14	1.14	9.62	1.62	7.70	22.48	23.93	23.64	6.77	4.70	3.13	1.80	
11	1.14	1.14	5.12	2.52	6.27	6.50	7.70	13.05	6.50	4.48	3.13	1.80	
12	1.14	1.14	11.80	1.94	8.42	8.66	7.94	10.58	6.28	4.48	3.13	1.80	
13	1.14	0.98	6.04	1.94	6.98	5.58	10.10	100.96	6.28	4.48	3.13	1.80	
14	1.14	0.98	4.43	1.94	5.35	8.18	8.18	48.45	6.28	4.25	3.13	1.60	
15	1.14	0.82	2.94	3.36	4.20	26.60	9.86	30.90	6.28	4.25	3.13	1.60	
16	1.30	0.98	2.10	2.10	3.78	6.04	49.44	23.04	6.28	4.25	4.02	1.80	
17	1.30	1.46	1.94	2.10	5.58	5.12	30.80	17.60	6.05	4.25	3.13	1.40	
18	1.14	1.30	1.94	4.20	6.98	4.89	21.36	14.70	5.83	4.25	2.90	1.40	
19	1.14	0.82	1.94	3.15	4.66	4.89	34.00	12.74	5.83	4.25	2.67	1.20	
20	1.14	0.82	1.94	3.99	6.27	6.50	24.80	11.63	5.83	4.25	2.67	1.20	
21	1.46	0.82	1.94	2.94	5.35	11.30	18.66	10.82	5.60	4.25	2.67	1.20	
22	1.30	0.66	1.78	2.52	5.35	6.27	14.88	10.55	5.38	4.25	2.00	1.20	
23	1.46	0.50	2.31	2.31	4.20	5.35	11.80	10.28	5.38	4.25	2.00	1.20	
24	0.98	0.50	2.10	3.57	4.66	4.20	10.58	9.74	5.38	4.02	2.00	1.20	
25	0.98	0.66	5.35	3.15	3.99	4.20	8.42	9.20	5.38	4.02	2.00	1.20	
26	0.82	0.98	2.52	2.52	3.99	6.74	8.18	8.93	5.38	4.02	2.00	1.20	
27	0.82	2.52	1.94	2.94	3.57	5.35	7.70	8.66	5.38	3.80	2.00	1.20	
28	0.82	9.86	1.78	2.31	3.57	4.43	7.94	8.12	5.83	3.80	2.23	1.20	
29	0.82	6.04	1.62	3.15	3.57	4.66	8.66	7.85	6.50	3.58	2.00	1.20	
30	0.82	3.15	1.46	3.36	5.12	7.70	7.70	7.85	5.38	3.58		1.20	
31		2.73		3.15	17.31		6.98		5.15	3.58		1.20	
TOTAL	34.04	48.50	106.83	75.68	185.53	233.30	432.46	468.84	194.47	135.17	81.22	49.15	2045.19 CMSDAY
MEAN	1.13	1.56	3.56	2.44	5.98	7.78	13.95	15.63	6.27	4.36	2.80	1.59	5.59 CMS
MAX	1.46	9.86	18.93	4.20	17.31	26.60	49.44	100.96	7.58	5.15	4.02	2.23	100.96 CMS
MIN	0.82	0.50	1.30	1.46	2.73	4.20	4.43	6.27	5.15	3.58	2.00	1.20	0.50 CMS
RUNOFF	2.941	4.190	9.230	6.539	16.030	20.157	37.365	40.508	16.802	11.679	7.017	4.247	176.704 MCM

MOMENTARY PEAK 183.30 CMS, AT 328.10 M (MSL), AT 13.00 HOURS, ON NOV 13, 1983

RUNOFF YIELD 13.12 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 430.28 LITERS/SECOND/SQUARE KM

WATER YEAR 1983

PING RIVER BASIN

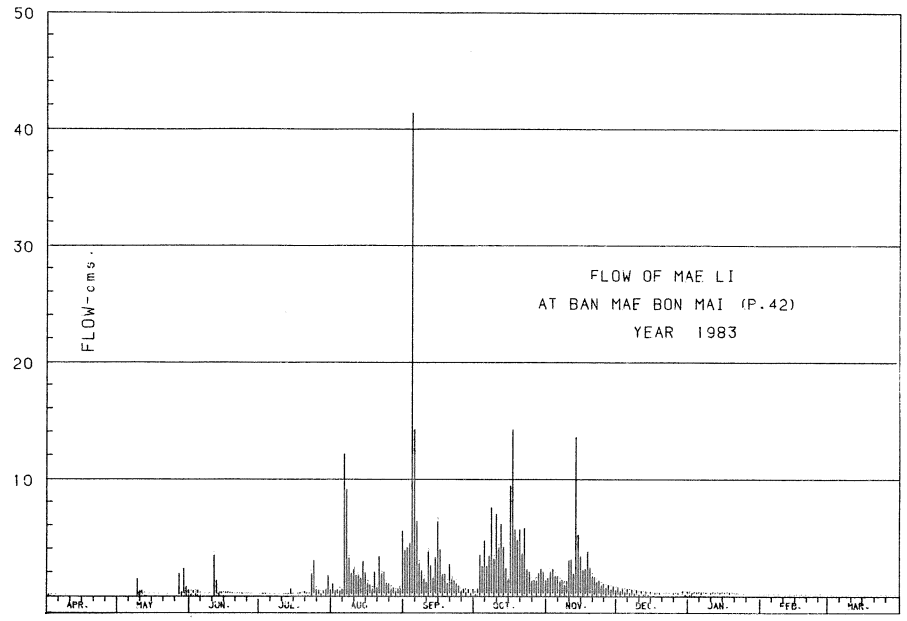
NAM MAE LI AT BAN MAE BON MAI, LAMPHUN (P.42)

LOCATION	LAT. 17°-53'-16" N., LONG. 99°-05'-20" E., ON RIGHT BANK AT BAN MAE BON MAI, KING AMPHOE THUNG HUA CHANG, LAMPHUN.
DRAINAGE AREA	315 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM	+500.10 M. (M.S.L.)
BENCH MARK	B.M.-H.D.
LOCATION	ON RIGHT BANK AT THE TOP OF STAFF GAGE.
ELEVATION	+505.708 M. (M.S.L.)
GAGE READING FREQUENCY	5-TIME DAILY READINGS AT 06.00, 09.00, 12.00, 15.00 AND 18.00 HOURS.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 5 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1978 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1978 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1978 TO DATE.
STABILITY OF CHANNEL REGIMES	STABLE.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS GOOD. STAGE-DISCHARGE RELATION DEFINED BY 110 DISCHARGE MEASUREMENTS MADE IN 1983.

GAGE HEIGHT IN METER (MSL), WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	500.39	500.18	500.53	500.40	500.69	501.16	500.52	500.79	500.62	500.51	500.39	500.39	
2	500.39	500.17	500.53	500.43	500.60	501.16	500.58	500.92	500.61	500.46	500.39	500.39	
3	500.38	500.17	500.54	500.42	500.56	501.22	501.12	500.92	500.60	500.48	500.39	500.39	
4	500.37	500.16	500.54	500.42	500.61	503.01	500.96	500.87	500.59	500.48	500.39	500.38	
5	500.36	500.16	500.47	500.40	500.57	501.88	501.24	500.82	500.58	500.48	500.39	500.38	
6	500.36	500.16	500.44	500.40	501.76	501.36	500.96	500.79	500.57	500.48	500.39	500.38	
7	500.36	500.15	500.44	500.40	501.56	501.03	501.11	500.76	500.56	500.47	500.39	500.38	
8	500.35	500.15	500.44	500.40	501.08	500.90	501.45	500.73	500.55	500.47	500.39	500.38	
9	500.34	500.78	500.43	500.40	500.86	500.83	501.08	500.74	500.55	500.47	500.39	500.38	
10	500.33	500.59	500.43	500.40	500.95	500.72	501.41	501.06	500.52	500.47	500.39	500.38	
11	500.32	500.54	501.11	500.40	500.83	501.15	501.19	501.04	500.52	500.47	500.39	500.38	
12	500.31	500.46	500.75	500.42	500.87	500.97	501.34	500.90	500.52	500.47	500.39	500.38	
13	500.30	500.44	500.57	500.42	500.79	500.84	501.20	501.83	500.51	500.47	500.39	500.38	
14	500.29	500.43	500.49	500.58	501.05	501.06	500.93	501.28	500.51	500.47	500.39	500.38	
15	500.28	500.43	500.49	500.43	500.87	501.38	500.82	501.07	500.49	500.47	500.39	500.38	
16	500.27	500.42	500.49	500.42	500.75	501.14	501.58	500.95	500.47	500.47	500.39	500.37	
17	500.26	500.41	500.48	500.42	500.67	500.89	501.88	500.92	500.46	500.47	500.39	500.37	
18	500.25	500.40	500.47	500.46	500.63	500.85	501.30	501.15	500.45	500.47	500.39	500.37	
19	500.24	500.40	500.45	500.47	500.88	500.77	501.25	500.94	500.45	500.46	500.39	500.37	
20	500.23	500.40	500.44	500.50	500.67	500.99	501.30	500.86	500.45	500.46	500.39	500.37	
21	500.23	500.40	500.44	500.46	501.07	500.82	501.13	500.81	500.45	500.43	500.39	500.37	
22	500.22	500.40	500.44	500.45	500.89	500.75	501.31	500.78	500.45	500.43	500.39	500.37	
23	500.22	500.39	500.43	500.90	500.88	500.76	500.96	500.75	500.45	500.42	500.39	500.37	
24	500.21	500.38	500.43	501.03	500.75	500.65	500.88	500.72	500.45	500.42	500.39	500.37	
25	500.21	500.37	500.43	500.63	500.70	500.61	500.80	500.69	500.45	500.42	500.39	500.37	
26	500.21	500.36	500.43	500.54	500.65	500.58	500.76	500.68	500.45	500.40	500.39	500.37	
27	500.20	500.86	500.42	500.52	500.61	500.59	500.80	500.67	500.45	500.40	500.39	500.37	
28	500.20	500.59	500.41	500.53	500.59	500.57	500.86	500.65	500.45	500.39	500.39	500.37	
29	500.19	500.93	500.40	500.63	500.58	500.57	500.97	500.64	500.52	500.39	500.39	500.37	
30	500.18	500.70	500.40	500.83	500.64	500.57	500.88	500.63	500.51	500.39		500.37	
31		500.55		500.62	501.29		500.81		500.51	500.39		500.10	
MEAN	500.28	500.42	500.49	500.51	500.84	500.99	501.08	500.88	500.51	500.45	500.39	500.37	
MAX	500.39	500.93	501.11	501.03	501.76	503.01	501.88	501.83	500.62	500.51	500.39	500.39	503.01
MIN	500.18	500.15	500.40	500.40	500.56	500.57	500.52	500.63	500.45	500.39	500.39	500.10	500.10

ANNUAL MAX MOMENTARY GAGE HEIGHT 503.33 M (MSL), AT 10.00 HOURS, ON SEP 4, 1983
ZERO GAGE AT BOTTOM ELEVATION 500.10 M (MSL), RIVER BED 500.31 M (MSL)
LEFT BANK ELEVATION 506.26 M (MSL)
RIGHT BANK ELEVATION 505.63 M (MSL), DRAINAGE AREA 315 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.18	0.00	0.49	0.20	1.06	4.16	0.46	1.55	0.78	0.43	0.18	0.18	
2	0.18	0.00	0.49	0.26	0.70	4.16	0.64	2.32	0.74	0.32	0.18	0.18	
3	0.16	0.00	0.52	0.24	0.58	4.74	3.82	2.32	0.70	0.36	0.18	0.18	
4	0.14	0.00	0.52	0.24	0.74	41.39	2.56	2.02	0.67	0.36	0.18	0.16	
5	0.12	0.00	0.34	0.20	0.61	14.50	4.98	1.72	0.64	0.36	0.18	0.16	
6	0.12	0.00	0.28	0.20	12.40	6.42	2.56	1.55	0.61	0.36	0.18	0.16	
7	0.12	0.00	0.28	0.20	9.15	3.05	3.74	1.40	0.58	0.34	0.18	0.16	
8	0.10	0.00	0.28	0.20	3.48	2.20	7.58	1.25	0.55	0.34	0.18	0.16	
9	0.08	1.50	0.26	0.20	1.96	1.78	3.48	1.30	0.55	0.34	0.18	0.16	
10	0.06	0.67	0.26	0.20	2.50	1.20	7.04	3.31	0.46	0.34	0.18	0.16	
11	0.04	0.52	3.74	0.20	1.78	4.07	4.41	3.14	0.46	0.34	0.18	0.16	
12	0.02	0.32	1.35	0.24	2.02	2.62	6.18	2.20	0.46	0.34	0.18	0.16	
13	0.00	0.28	0.61	0.24	1.55	1.84	4.50	13.63	0.43	0.34	0.18	0.16	
14	0.00	0.26	0.38	0.64	3.23	3.31	2.38	5.46	0.43	0.34	0.18	0.16	
15	0.00	0.26	0.38	0.26	2.02	6.66	1.72	3.40	0.38	0.34	0.18	0.16	
16	0.00	0.24	0.38	0.24	1.35	3.99	9.45	2.50	0.34	0.34	0.18	0.14	
17	0.00	0.22	0.36	0.24	0.98	2.14	14.50	2.32	0.32	0.34	0.18	0.14	
18	0.00	0.20	0.34	0.32	0.82	1.90	5.70	4.07	0.30	0.34	0.18	0.14	
19	0.00	0.20	0.30	0.34	2.08	1.45	5.10	2.44	0.30	0.32	0.18	0.14	
20	0.00	0.20	0.28	0.40	0.98	2.74	5.70	1.96	0.30	0.32	0.18	0.14	
21	0.00	0.20	0.28	0.32	3.40	1.72	3.90	1.66	0.30	0.26	0.18	0.14	
22	0.00	0.20	0.28	0.30	2.14	1.35	5.82	1.50	0.30	0.26	0.18	0.14	
23	0.00	0.18	0.26	2.20	2.08	1.40	2.56	1.35	0.30	0.24	0.18	0.14	
24	0.00	0.16	0.26	3.05	1.35	0.90	2.08	1.20	0.30	0.24	0.18	0.14	
25	0.00	0.14	0.26	0.82	1.10	0.74	1.60	1.06	0.30	0.24	0.18	0.14	
26	0.00	0.12	0.26	0.52	0.90	0.64	1.40	1.02	0.30	0.20	0.18	0.14	
27	0.00	1.96	0.24	0.46	0.74	0.67	1.60	0.98	0.30	0.20	0.18	0.14	
28	0.00	0.67	0.22	0.49	0.67	0.61	1.96	0.90	0.30	0.18	0.18	0.14	
29	0.00	2.38	0.20	0.82	0.64	0.61	2.62	0.86	0.46	0.18	0.18	0.14	
30	0.00	1.10	0.20	1.78	0.86	0.61	2.08	0.82	0.43	0.18		0.14	
31		0.55		0.78	5.58		1.66		0.43	0.18		0.00	
TOTAL	1.32	12.53	14.30	16.80	69.45	123.57	123.78	71.21	13.72	9.27	5.22	4.56	465.73 CMSDAY
MEAN	0.04	0.40	0.48	0.54	2.24	4.12	3.99	2.37	0.44	0.30	0.18	0.15	1.27 CMS
MAX	0.18	2.38	3.74	3.05	12.40	41.39	14.50	13.63	0.78	0.43	0.18	0.18	41.39 CMS
MIN	0.00	0.00	0.20	0.20	0.58	0.61	0.46	0.82	0.30	0.18	0.18	0.00	0.00 CMS
RUNOFF	0.114	1.083	1.236	1.452	6.000	10.676	10.695	6.153	1.185	0.801	0.451	0.394	40.239 MCM

MOMENTARY PEAK 51.30 CMS, AT 503.33 M (MSL), AT 10.00 HOURS, ON SEP 4, 1983

RUNOFF YIELD 4.04 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 162.84 LITERS/SECOND/SQUARE KM

WATER YEAR 1983

PING RIVER BASIN

NAM MAE TIP AT BAN NONG HOI(1), LAMPHUN (P.44)

LOCATION — LAT. 18°-35'-12" N., LONG. 99°-09'-27" E., ON RIGHT BANK NEAR BAN NONG HOI SCHOOL, BAN NONG HOI, TAMBON MAKHUA CHAE, AMPHOE MUANG, LAMPHUN.

DRAINAGE AREA — 35 SQ.KM.

TYPE OF GAGE — STAFF GAGE.

ZERO GAGE AT BOTTOM — +0.00 M.(A.D.)

BENCH MARK — B.M.-H.D.

LOCATION — ON LEFT BANK ABOUT 71.20 METERS FROM THE TOP OF STAFF GAGE.

ELEVATION — +4.332 M.(A.D.)

GAGE READING FREQUENCY — 5-TIME DAILY READINGS AT 06.00, 09.00, 12.00, 15.00 AND 18.00 HOURS.

BASIS OF MEAN DAILY GAGE HEIGHT — ARITHMETIC MEAN OF 5 READINGS.

PERIOD OF AVAILABLE GAGE RECORDS — 1982 TO DATE.

RATING OPERATION

PERIOD OF RATING — 1983 TO DATE.

RATED BY FLOAT — -

RATED BY CURRENT METER — 1983 TO DATE.

STABILITY OF CHANNEL REGIMES — STABLE.

OVERBANK FLOW CONDITIONS — NO OVERBANK FLOW.

GENERAL DESCRIPTION — RECORDS GOOD. STAGE-DISCHARGE RELATION DEFINED BY 55 DISCHARGE MEASUREMENTS MADE IN 1983.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

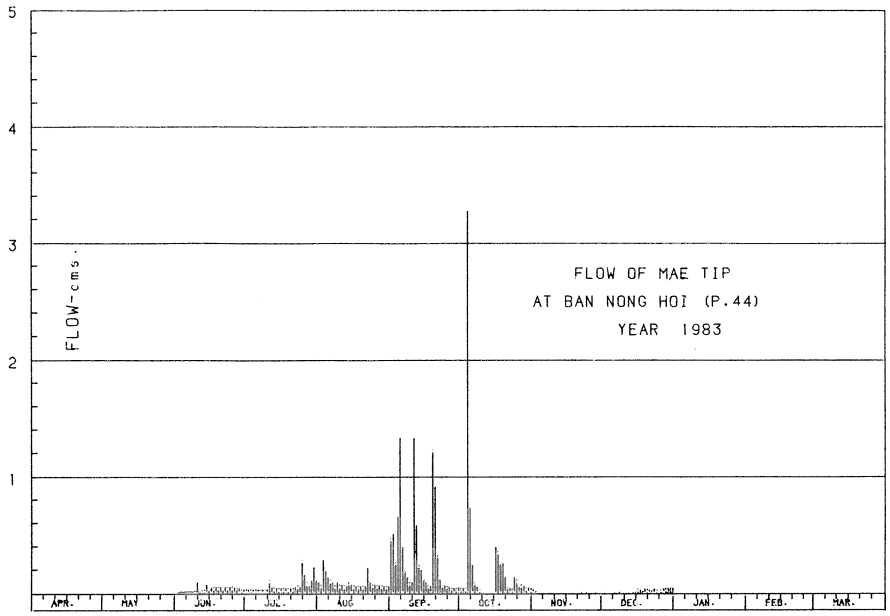
DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.08	0.08	0.11	0.23	0.31	0.45	0.25	0.23	0.15	0.25	0.19	0.24	
2	0.08	0.08	0.15	0.23	0.30	0.46	0.25	0.20	0.15	0.25	0.19	0.19	
3	0.08	0.08	0.18	0.23	0.40	0.39	0.25	0.19	0.15	0.25	0.19	0.16	
4	0.08	0.08	0.18	0.23	0.37	0.50	0.86	0.18	0.15	0.25	0.16	0.20	
5	0.08	0.08	0.18	0.23	0.33	0.63	0.52	0.18	0.15	0.25	0.13	0.19	
6	0.08	0.08	0.19	0.23	0.32	0.43	0.38	0.18	0.15	0.25	0.01	0.15	
7	0.08	0.08	0.19	0.23	0.31	0.36	0.31	0.17	0.15	0.25	0.13	0.15	
8	0.08	0.08	0.19	0.23	0.29	0.33	0.27	0.17	0.15	0.25	0.13	0.15	
9	0.08	0.08	0.21	0.23	0.31	0.31	0.23	0.17	0.15	0.25	0.13	0.15	
10	0.08	0.08	0.31	0.23	0.30	0.31	0.19	0.17	0.15	0.25	0.13	0.15	
11	0.08	0.08	0.22	0.32	0.30	0.63	0.19	0.17	0.15	0.25	0.13	0.15	
12	0.08	0.08	0.22	0.26	0.29	0.48	0.18	0.17	0.15	0.25	0.13	0.15	
13	0.08	0.08	0.23	0.26	0.28	0.38	0.18	0.17	0.15	0.25	0.13	0.15	
14	0.08	0.08	0.30	0.25	0.31	0.36	0.18	0.17	0.15	0.25	0.13	0.15	
15	0.08	0.08	0.26	0.25	0.30	0.33	0.18	0.17	0.17	0.25	0.13	0.19	
16	0.08	0.08	0.26	0.25	0.29	0.31	0.43	0.17	0.23	0.25	0.13	0.20	
17	0.08	0.08	0.27	0.25	0.28	0.29	0.42	0.17	0.22	0.25	0.13	0.20	
18	0.08	0.08	0.27	0.25	0.28	0.28	0.38	0.17	0.20	0.25	0.15	0.20	
19	0.08	0.08	0.27	0.25	0.28	0.61	0.40	0.17	0.24	0.25	0.19	0.19	
20	0.08	0.08	0.27	0.25	0.28	0.55	0.33	0.17	0.23	0.25	0.18	0.12	
21	0.08	0.08	0.27	0.25	0.28	0.41	0.27	0.17	0.22	0.25	0.22	0.03	
22	0.08	0.08	0.27	0.27	0.38	0.32	0.25	0.17	0.21	0.25	0.22	0.01	
23	0.08	0.08	0.27	0.29	0.31	0.30	0.24	0.17	0.24	0.25	0.21	0.01	
24	0.08	0.08	0.27	0.27	0.30	0.29	0.33	0.16	0.22	0.25	0.21	0.01	
25	0.08	0.08	0.27	0.40	0.30	0.28	0.32	0.16	0.21	0.25	0.22	0.01	
26	0.08	0.08	0.26	0.34	0.29	0.27	0.26	0.16	0.23	0.24	0.25	0.01	
27	0.08	0.08	0.26	0.31	0.29	0.25	0.30	0.16	0.24	0.24	0.27	0.01	
28	0.08	0.08	0.25	0.28	0.29	0.25	0.28	0.16	0.25	0.24	0.27	0.02	
29	0.08	0.08	0.24	0.33	0.28	0.25	0.26	0.16	0.25	0.23	0.27	0.04	
30	0.08	0.08	0.23	0.37	0.28	0.26	0.25	0.16	0.25	0.23		0.06	
31		0.08		0.33	0.28		0.24		0.25	0.22		0.06	
MEAN	0.08	0.08	0.23	0.27	0.30	0.38	0.30	0.17	0.19	0.25	0.17	0.12	
MAX	0.08	0.08	0.31	0.40	0.40	0.63	0.86	0.23	0.25	0.25	0.27	0.24	0.86
MIN	0.08	0.08	0.11	0.23	0.28	0.25	0.18	0.16	0.15	0.22	0.01	0.01	0.01

ANNUAL MAX MOMENTARY GAGE HEIGHT — 1.09 M (A.D), AT 6.00 HOURS, ON OCT 4, 1983

ZERO GAGE AT BOTTOM ELEVATION — 0.00 M (A.D), RIVER BED — 0.08 M (A.D)

LEFT BANK ELEVATION — 2.18 M (A.D)

RIGHT BANK ELEVATION — 1.64 M (A.D), DRAINAGE AREA — 35 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.000	0.000	0.002	0.037	0.099	0.475	0.049	0.037	0.010	0.000	0.000	0.000	
2	0.000	0.000	0.010	0.037	0.078	0.512	0.049	0.019	0.010	0.000	0.000	0.000	
3	0.000	0.000	0.015	0.037	0.290	0.269	0.049	0.017	0.010	0.000	0.000	0.000	
4	0.000	0.000	0.015	0.037	0.226	0.660	3.276	0.015	0.010	0.000	0.000	0.000	
5	0.000	0.000	0.015	0.037	0.142	1.358	0.761	0.015	0.010	0.000	0.000	0.000	
6	0.000	0.000	0.017	0.037	0.120	0.401	0.248	0.015	0.010	0.000	0.000	0.000	
7	0.000	0.000	0.017	0.037	0.099	0.205	0.099	0.013	0.010	0.000	0.000	0.000	
8	0.000	0.000	0.017	0.037	0.072	0.142	0.060	0.013	0.010	0.000	0.000	0.000	
9	0.000	0.000	0.025	0.037	0.099	0.099	0.037	0.013	0.010	0.000	0.000	0.000	
10	0.000	0.000	0.099	0.037	0.078	0.099	0.017	0.013	0.010	0.000	0.000	0.000	
11	0.000	0.000	0.031	0.120	0.078	1.358	0.017	0.013	0.010	0.000	0.000	0.000	
12	0.000	0.000	0.031	0.054	0.072	0.586	0.015	0.013	0.010	0.000	0.000	0.000	
13	0.000	0.000	0.037	0.054	0.066	0.248	0.015	0.013	0.010	0.000	0.000	0.000	
14	0.000	0.000	0.078	0.049	0.099	0.205	0.015	0.013	0.010	0.000	0.000	0.000	
15	0.000	0.000	0.054	0.049	0.078	0.142	0.015	0.013	0.013	0.000	0.000	0.000	
16	0.000	0.000	0.054	0.049	0.072	0.099	0.401	0.013	0.037	0.000	0.000	0.000	
17	0.000	0.000	0.060	0.049	0.066	0.072	0.364	0.013	0.031	0.000	0.000	0.000	
18	0.000	0.000	0.060	0.049	0.066	0.066	0.248	0.013	0.019	0.000	0.000	0.000	
19	0.000	0.000	0.060	0.049	0.066	1.229	0.290	0.013	0.043	0.000	0.000	0.000	
20	0.000	0.000	0.060	0.049	0.066	0.913	0.142	0.013	0.037	0.000	0.000	0.000	
21	0.000	0.000	0.060	0.049	0.066	0.327	0.060	0.013	0.031	0.000	0.000	0.000	
22	0.000	0.000	0.060	0.060	0.248	0.120	0.049	0.013	0.025	0.000	0.000	0.000	
23	0.000	0.000	0.060	0.072	0.099	0.078	0.043	0.013	0.043	0.000	0.000	0.000	
24	0.000	0.000	0.060	0.060	0.078	0.072	0.142	0.011	0.031	0.000	0.000	0.000	
25	0.000	0.000	0.060	0.290	0.078	0.066	0.120	0.011	0.025	0.000	0.000	0.000	
26	0.000	0.000	0.054	0.163	0.072	0.060	0.054	0.011	0.037	0.000	0.000	0.000	
27	0.000	0.000	0.054	0.099	0.072	0.049	0.078	0.011	0.043	0.000	0.000	0.000	
28	0.000	0.000	0.049	0.066	0.072	0.049	0.066	0.011	0.049	0.000	0.000	0.000	
29	0.000	0.000	0.043	0.142	0.066	0.049	0.054	0.011	0.049	0.000	0.000	0.000	
30	0.000	0.000	0.037	0.226	0.066	0.054	0.049	0.011	0.049	0.000		0.000	
31		0.000		0.142	0.066		0.043		0.049	0.000		0.000	
TOTAL	0.000	0.000	1.294	2.310	3.015	10.062	6.925	0.416	0.751	0.000	0.000	0.000	24.773 CMSDAY
MEAN	0.000	0.000	0.043	0.075	0.097	0.335	0.223	0.014	0.024	0.000	0.000	0.000	0.068 CMS
MAX	0.000	0.000	0.099	0.290	0.290	1.358	3.276	0.037	0.049	0.000	0.000	0.000	3.276 CMS
MIN	0.000	0.000	0.002	0.037	0.066	0.049	0.015	0.011	0.010	0.000	0.000	0.000	0.000 CMS
RUNOFF	0.000	0.000	0.112	0.200	0.260	0.869	0.598	0.036	0.065	0.000	0.000	0.000	2.140 MCM

MOMENTARY PEAK 7.03 CMS, AT 1.09 M (A.D), AT 6.00 HOURS, ON OCT 4, 1983

RUNOFF YIELD 1.93 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 200.86 LITERS/SECOND/SQUARE KM

WATER YEAR 1983

PING RIVER BASIN

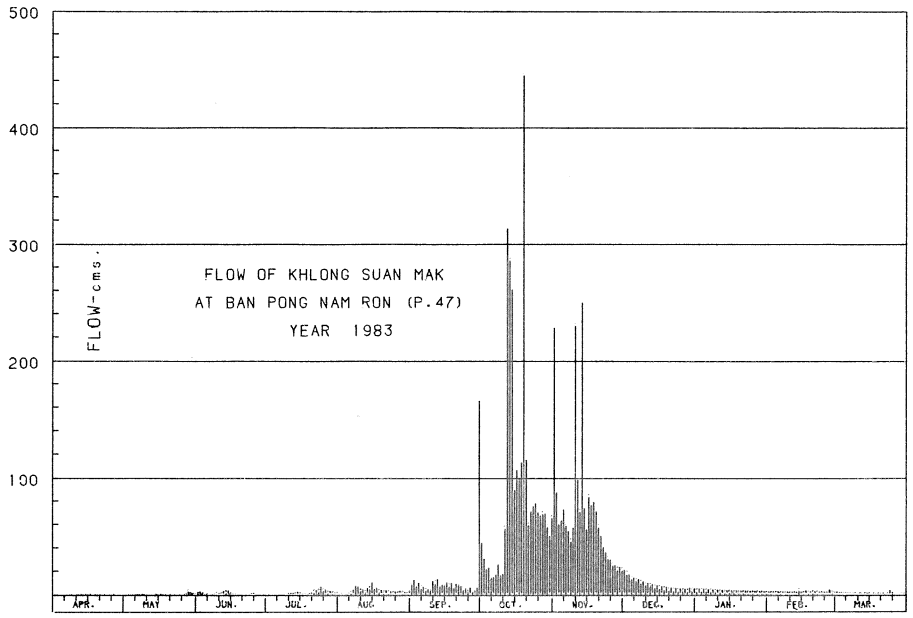
KHLONG SUAN MAK AT BAN PONG NAM RON, KAMPHAENG PHET (P.47)

LOCATION	LAT. 18°-25'-21" N., LONG. 99°-16'-29" E., ON RIGHT BANK AT BAN PONG NAM RON, AMPHOE KHLONG LAN, KAMPHAENG PHET.
DRAINAGE AREA	521 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM	+0.00 M.(A.D.)
BENCH MARK	B.M.-H.D.
LOCATION	ON RIGHT BANK ABOUT 9 METERS FROM THE TOP OF STAFF GAGE.
ELEVATION	+4.740 M.(A.D.)
GAGE READING FREQUENCY	5-TIME DAILY READINGS AT 06.00, 09.00, 12.00, 15.00 AND 18.00 HOURS.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 5 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1983 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1983 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1983 TO DATE.
STABILITY OF CHANNEL REGIMES	FAIRLY STABLE WITH VARIABLE WATER SURFACE SLOPE.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS POOR. STREAM GAGING BEGAN ON MAY.26, 1983. STAGE-DISCHARGE RELATION DEFINED BY 128 DISCHARGE MEASUREMENTS MADE IN 1983.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	*******	*******	0.52	0.32	0.39	0.74	1.26	2.05	0.96	0.55	0.45	0.42	
2	*******	*******	0.44	0.31	0.37	0.78	1.10	1.53	0.94	0.55	0.45	0.41	
3	*******	*******	0.39	0.30	0.37	0.71	1.01	1.36	0.89	0.55	0.45	0.41	
4	*******	*******	0.35	0.30	0.40	0.72	0.99	1.40	0.86	0.55	0.45	0.41	
5	*******	*******	0.33	0.29	0.39	0.65	0.88	1.44	0.83	0.54	0.45	0.40	
6	*******	*******	0.31	0.29	0.46	0.61	0.84	1.37	0.81	0.53	0.44	0.40	
7	*******	*******	0.31	0.30	0.52	0.57	0.94	1.32	0.80	0.53	0.44	0.40	
8	*******	*******	0.34	0.29	0.70	0.53	1.03	1.27	0.78	0.52	0.44	0.39	
9	*******	*******	0.40	0.35	0.62	0.61	0.92	1.34	0.75	0.52	0.44	0.39	
10	*******	*******	0.38	0.38	0.55	0.76	0.90	2.06	0.73	0.51	0.43	0.39	
11	*******	*******	0.39	0.36	0.53	0.77	1.35	1.57	0.72	0.51	0.43	0.38	
12	*******	*******	0.46	0.38	0.50	0.80	2.27	1.44	0.71	0.51	0.43	0.38	
13	*******	*******	0.49	0.38	0.57	0.70	2.21	2.11	0.69	0.50	0.43	0.38	
14	*******	*******	0.49	0.43	0.62	0.67	2.14	1.46	0.67	0.50	0.57	0.38	
15	*******	*******	0.40	0.40	0.73	0.74	1.54	1.33	0.66	0.50	0.44	0.37	
16	*******	*******	0.38	0.37	0.63	0.73	1.61	1.51	0.65	0.49	0.44	0.37	
17	*******	*******	0.34	0.35	0.58	0.70	1.59	1.46	0.63	0.49	0.49	0.37	
18	*******	*******	0.33	0.35	0.53	0.72	1.64	1.49	0.62	0.49	0.46	0.37	
19	*******	*******	0.32	0.34	0.51	0.67	2.54	1.43	0.61	0.48	0.45	0.36	
20	*******	*******	0.31	0.40	0.48	0.70	1.65	1.36	0.60	0.48	0.48	0.36	
21	*******	*******	0.30	0.51	0.49	0.74	1.37	1.29	0.59	0.48	0.44	0.36	
22	*******	*******	0.30	0.51	0.48	0.63	1.43	1.23	0.58	0.48	0.46	0.36	
23	*******	*******	0.33	0.54	0.46	0.61	1.47	1.16	0.57	0.47	0.43	0.37	
24	*******	*******	0.36	0.62	0.45	0.56	1.47	1.12	0.56	0.47	0.43	0.49	
25	*******	*******	0.37	0.56	0.44	0.51	1.44	1.09	0.56	0.47	0.42	0.40	
26	*******	0.31	0.33	0.52	0.43	0.59	1.41	1.05	0.55	0.47	0.41	0.38	
27	*******	0.34	0.31	0.47	0.48	0.53	1.43	1.02	0.54	0.47	0.51	0.38	
28	*******	0.52	0.31	0.47	0.46	0.48	1.42	1.00	0.54	0.46	0.45	0.37	
29	*******	0.41	0.32	0.44	0.42	0.68	1.36	1.00	0.58	0.46	0.43	0.37	
30	*******	0.36	0.31	0.41	0.40	1.85	1.29	0.99	0.57	0.46		0.37	
31		0.36		0.42	0.48		1.41		0.56	0.46		0.43	
MEAN	*******	*******	0.36	0.40	0.50	0.70	1.42	1.38	0.68	0.50	0.45	0.39	
MAX	*******	0.52	0.52	0.62	0.73	1.85	2.54	2.11	0.96	0.55	0.57	0.49	2.54
MIN	*******	*******	0.30	0.29	0.37	0.48	0.84	0.99	0.54	0.46	0.41	0.36	*******

ANNUAL MAX MOMENTARY GAGE HEIGHT 3.57 M (A.D), AT 2.00 HOURS, ON OCT 14, 1983
ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D), RIVER BED -0.14 M (A.D)
LEFT BANK ELEVATION 5.42 M (A.D)
RIGHT BANK ELEVATION 9.15 M (A.D), DRAINAGE AREA 521 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	*******	*******	5.00	1.30	2.35	11.60	47.40	228.50	22.10	5.75	3.50	2.90	
2	*******	*******	3.30	1.15	2.05	13.20	31.50	90.30	20.90	5.75	3.50	2.70	
3	*******	*******	2.35	1.00	2.05	10.40	25.20	60.70	18.05	5.75	3.50	2.70	
4	*******	*******	1.75	1.00	2.50	10.80	23.90	66.50	16.70	5.75	3.50	2.70	
5	*******	*******	1.45	0.90	2.35	8.50	17.60	73.50	15.35	5.50	3.50	2.50	
6	*******	*******	1.15	0.90	3.70	7.30	15.80	62.15	14.45	5.25	3.30	2.50	
7	*******	*******	1.15	1.00	5.00	6.25	20.90	54.90	14.00	5.25	3.30	2.50	
8	*******	*******	1.60	0.90	10.00	5.25	26.60	48.55	13.20	5.00	3.30	2.35	
9	*******	*******	2.50	1.75	7.60	7.30	19.70	57.80	12.00	5.00	3.30	2.35	
10	*******	*******	2.20	2.20	5.75	12.40	18.50	232.00	11.20	4.75	3.10	2.35	
11	*******	*******	2.35	1.90	5.25	12.80	59.25	98.70	10.80	4.75	3.10	2.20	
12	*******	*******	3.70	2.20	4.50	14.00	313.40	73.50	10.40	4.75	3.10	2.20	
13	*******	*******	4.30	2.20	6.25	10.00	288.20	249.80	9.70	4.50	3.10	2.20	
14	*******	*******	4.30	3.10	7.60	9.10	261.20	77.00	9.10	4.50	6.25	2.20	
15	*******	*******	2.50	2.50	11.20	11.60	92.40	56.35	8.80	4.50	3.30	2.05	
16	*******	*******	2.20	2.05	7.90	11.20	107.20	86.10	8.50	4.30	3.30	2.05	
17	*******	*******	1.60	1.75	6.50	10.00	102.90	77.00	7.90	4.30	4.30	2.05	
18	*******	*******	1.45	1.75	5.25	10.80	113.80	82.25	7.60	4.30	3.70	2.05	
19	*******	*******	1.30	1.60	4.75	9.10	446.80	71.75	7.30	4.10	3.50	1.90	
20	*******	*******	1.15	2.50	4.10	10.00	116.00	60.70	7.00	4.10	4.10	1.90	
21	*******	*******	1.00	4.75	4.30	11.60	62.15	50.85	6.75	4.10	3.30	1.90	
22	*******	*******	1.00	4.75	4.10	7.90	71.75	43.95	6.50	4.10	3.70	1.90	
23	*******	*******	1.45	5.50	3.70	7.30	78.75	36.90	6.25	3.90	3.10	2.05	
24	*******	*******	1.90	7.60	3.50	6.00	78.75	33.30	6.00	3.90	3.10	4.30	
25	*******	*******	2.05	6.00	3.30	4.75	73.50	30.80	6.00	3.90	2.90	2.50	
26	*******	1.15	1.45	5.00	3.10	6.75	68.25	28.00	5.75	3.90	2.70	2.20	
27	*******	1.60	1.15	3.90	4.10	5.25	71.75	25.90	5.50	3.90	4.75	2.20	
28	*******	5.00	1.15	3.90	3.70	4.10	70.00	24.50	5.50	3.70	3.50	2.05	
29	*******	2.70	1.30	3.30	2.90	9.40	60.70	24.50	6.50	3.70	3.10	2.05	
30	*******	1.90	1.15	2.70	2.50	166.25	50.85	23.90	6.25	3.70		2.05	
31		1.90		2.90	4.10		68.25		6.00	3.70		3.10	
TOTAL	*******	*******	60.90	83.95	145.95	430.90	2902.95	2230.65	312.05	140.35	101.70	72.65	******** CMSDAY
MEAN	*******	*******	2.03	2.71	4.71	14.36	93.64	74.35	10.07	4.53	3.51	2.34	******** CMS
MAX	*******	5.00	5.00	7.60	11.20	166.25	446.80	249.80	22.10	5.75	6.25	4.30	446.80 CMS
MIN	*******	*******	1.00	0.90	2.05	4.10	15.80	23.90	5.50	3.70	2.70	1.90	******** CMS
RUNOFF	*******	*******	5.262	7.253	12.610	37.230	250.815	192.728	26.961	12.126	8.787	6.277	******** MCM

MOMENTARY PEAK 1269.50 CMS, AT 3.57 M (A.D), AT 2.00 HOURS, ON OCT 14, 1983
RUNOFF YIELD ******** LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 2436.66 LITERS/SECOND/SQUARE KM

WATER YEAR 1983

PING RIVER BASIN

NAM MAE SAPUAT AT BAN MAE SAPUAT NAI, LAMPHUN (P.48)

LOCATION — LAT. 18°-25'-21" N., LONG. 99°-05'-15" E., ON RIGHT BANK ABOUT 4 KILOMETERS UPSTREAM FROM MAE SAPUAT RESERVOIR AT BAN MAE SAPUATNAI, TAMBON THA SOP SAO, AMPHOE MAE THA, LAMPHUN.

DRAINAGE AREA — 74 SQ.KM.

TYPE OF GAGE — STAFF GAGE.

ZERO GAGE AT BOTTOM — +0.00 M.(A.D.)

BENCH MARK — B.M.-H.D.

LOCATION — ON RIGHT BANK ABOUT 22 METERS THE EAST OF THE TOP OF STAFF GAGE

ELEVATION — +2.20 M. (A.D.)

GAGE READING FREQUENCY — 5-TIME DAILY READINGS AT 06.00, 09.00, 12.00, 15.00 AND 18.00 HOURS.

BASIS OF MEAN DAILY GAGE HEIGHT — ARITHMETIC MEAN OF 5 READINGS.

PERIOD OF AVAILABLE GAGE RECORDS — 1983 TO DATE.

RATING OPERATION

PERIOD OF RATING — 1983 TO DATE.

RATED BY FLOAT — -

RATED BY CURRENT METER — 1983 TO DATE.

STABILITY OF CHANNEL REGIMES — STABLE.

OVERBANK FLOW CONDITIONS — NO OVERBANK FLOW.

GENERAL DESCRIPTION — RECORDS FAIR. STAGE-DISCHARGE RELATION DEFINED BY 39 DISCHARGE MEASUREMENTS MADE IN 1983.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

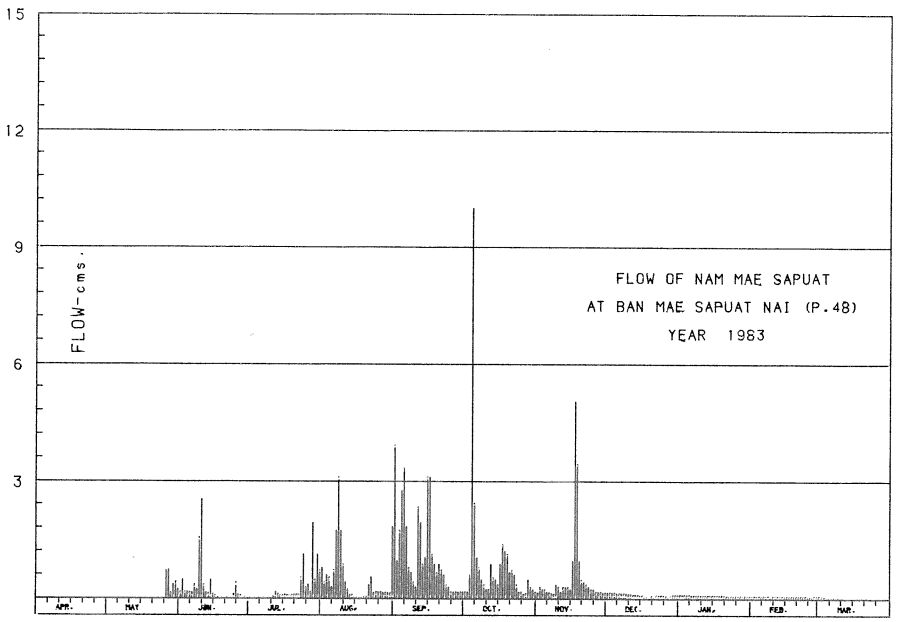
DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.27	0.27	0.40	0.33	0.50	0.81	0.40	0.39	0.39	0.36	0.34	0.34	
2	0.27	0.27	0.45	0.33	0.44	0.52	0.40	0.42	0.39	0.36	0.34	0.34	
3	0.27	0.27	0.40	0.33	0.47	0.61	0.47	0.41	0.39	0.36	0.34	0.33	
4	0.27	0.27	0.40	0.33	0.46	0.71	1.21	0.41	0.39	0.36	0.34	0.32	
5	0.27	0.27	0.39	0.32	0.42	0.76	0.68	0.40	0.38	0.36	0.34	0.32	
6	0.27	0.27	0.39	0.32	0.49	0.62	0.53	0.39	0.38	0.35	0.34	0.32	
7	0.27	0.27	0.43	0.32	0.61	0.50	0.50	0.38	0.38	0.35	0.34	0.32	
8	0.27	0.27	0.41	0.32	0.74	0.48	0.45	0.37	0.38	0.35	0.34	0.32	
9	0.27	0.27	0.59	0.32	0.61	0.44	0.43	0.43	0.38	0.35	0.34	0.32	
10	0.27	0.27	0.69	0.32	0.51	0.42	0.41	0.42	0.37	0.35	0.34	0.32	
11	0.27	0.27	0.43	0.37	0.44	0.67	0.41	0.40	0.37	0.35	0.34	0.32	
12	0.27	0.27	0.39	0.40	0.41	0.63	0.51	0.42	0.36	0.35	0.34	0.32	
13	0.27	0.27	0.38	0.37	0.36	0.51	0.46	0.42	0.36	0.35	0.34	0.31	
14	0.27	0.27	0.45	0.35	0.36	0.53	0.45	0.42	0.36	0.35	0.34	0.31	
15	0.27	0.27	0.37	0.35	0.34	0.74	0.43	0.41	0.35	0.35	0.34	0.31	
16	0.27	0.27	0.35	0.36	0.33	0.74	0.51	0.52	0.35	0.35	0.34	0.31	
17	0.27	0.27	0.32	0.35	0.33	0.54	0.57	0.90	0.34	0.35	0.34	0.31	
18	0.27	0.27	0.32	0.35	0.32	0.51	0.55	0.77	0.34	0.35	0.34	0.31	
19	0.27	0.27	0.32	0.35	0.33	0.48	0.54	0.52	0.34	0.35	0.34	0.31	
20	0.27	0.27	0.31	0.36	0.33	0.51	0.48	0.45	0.34	0.35	0.34	0.31	
21	0.27	0.27	0.32	0.36	0.43	0.49	0.49	0.44	0.34	0.34	0.34	0.31	
22	0.27	0.27	0.32	0.36	0.46	0.47	0.47	0.43	0.35	0.34	0.34	0.30	
23	0.27	0.27	0.33	0.46	0.39	0.43	0.43	0.42	0.35	0.34	0.34	0.30	
24	0.27	0.27	0.37	0.54	0.40	0.42	0.40	0.41	0.35	0.34	0.34	0.27	
25	0.27	0.27	0.44	0.42	0.40	0.40	0.40	0.41	0.35	0.34	0.33	0.27	
26	0.27	0.49	0.36	0.43	0.40	0.40	0.37	0.40	0.34	0.34	0.33	0.27	
27	0.27	0.49	0.35	0.40	0.39	0.40	0.38	0.40	0.34	0.34	0.33	0.27	
28	0.27	0.39	0.33	0.63	0.39	0.40	0.45	0.40	0.34	0.34	0.34	0.27	
29	0.27	0.43	0.33	0.45	0.39	0.40	0.42	0.39	0.36	0.34	0.34	0.27	
30	0.27	0.44	0.33	0.54	0.38	0.40	0.41	0.39	0.36	0.34		0.27	
31		0.41		0.49	0.62		0.40		0.36	0.34		0.27	
MEAN	0.27	0.30	0.39	0.38	0.43	0.53	0.48	0.44	0.36	0.35	0.34	0.30	
MAX	0.27	0.49	0.69	0.63	0.74	0.81	1.21	0.90	0.39	0.36	0.34	0.34	1.21
MIN	0.27	0.27	0.31	0.32	0.32	0.40	0.37	0.37	0.34	0.34	0.33	0.27	0.27

ANNUAL MAX MOMENTARY GAGE HEIGHT — 1.60 M (A.D), AT 6.00 HOURS, ON OCT 4, 1983

ZERO GAGE AT BOTTOM ELEVATION — 0.00 M (A.D), RIVER BED — 0.32 M (A.D)

LEFT BANK ELEVATION — 2.74 M (A.D)

RIGHT BANK ELEVATION — 1.91 M (A.D), DRAINAGE AREA — 74 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.000	0.000	0.180	0.054	0.800	3.925	0.180	0.162	0.162	0.108	0.072	0.072	
2	0.000	0.000	0.490	0.054	0.428	0.970	0.180	0.304	0.162	0.108	0.072	0.072	
3	0.000	0.000	0.180	0.054	0.614	1.750	0.614	0.242	0.162	0.108	0.072	0.054	
4	0.000	0.000	0.180	0.054	0.552	2.765	10.000	0.242	0.162	0.108	0.072	0.036	
5	0.000	0.000	0.162	0.036	0.304	3.340	2.450	0.180	0.144	0.108	0.072	0.036	
6	0.000	0.000	0.162	0.036	0.738	1.850	1.055	0.162	0.144	0.090	0.072	0.036	
7	0.000	0.000	0.366	0.036	1.750	0.800	0.800	0.144	0.144	0.090	0.072	0.036	
8	0.000	0.000	0.242	0.036	3.110	0.676	0.490	0.126	0.144	0.090	0.072	0.036	
9	0.000	0.000	1.565	0.036	1.750	0.428	0.366	0.366	0.144	0.090	0.072	0.036	
10	0.000	0.000	2.550	0.036	0.885	0.304	0.242	0.304	0.126	0.090	0.072	0.036	
11	0.000	0.000	0.366	0.126	0.428	2.350	0.242	0.180	0.126	0.090	0.072	0.036	
12	0.000	0.000	0.162	0.180	0.242	1.950	0.885	0.304	0.108	0.090	0.072	0.036	
13	0.000	0.000	0.144	0.126	0.108	0.885	0.552	0.304	0.108	0.090	0.072	0.018	
14	0.000	0.000	0.490	0.090	0.108	1.055	0.490	0.304	0.108	0.090	0.072	0.018	
15	0.000	0.000	0.126	0.090	0.072	3.110	0.366	0.242	0.090	0.090	0.072	0.018	
16	0.000	0.000	0.090	0.108	0.054	3.110	0.885	0.970	0.090	0.090	0.072	0.018	
17	0.000	0.000	0.036	0.090	0.054	1.140	1.395	5.050	0.072	0.090	0.072	0.018	
18	0.000	0.000	0.036	0.090	0.036	0.885	1.225	3.455	0.072	0.090	0.072	0.018	
19	0.000	0.000	0.036	0.090	0.054	0.676	1.140	0.970	0.072	0.090	0.072	0.018	
20	0.000	0.000	0.018	0.108	0.054	0.885	0.676	0.490	0.072	0.090	0.072	0.018	
21	0.000	0.000	0.036	0.108	0.366	0.738	0.738	0.428	0.072	0.072	0.072	0.018	
22	0.000	0.000	0.036	0.108	0.552	0.614	0.614	0.366	0.090	0.072	0.072	0.000	
23	0.000	0.000	0.054	0.552	0.162	0.366	0.366	0.304	0.090	0.072	0.072	0.000	
24	0.000	0.000	0.126	1.140	0.180	0.304	0.180	0.242	0.090	0.072	0.072	0.000	
25	0.000	0.000	0.428	0.304	0.180	0.180	0.180	0.242	0.090	0.072	0.054	0.000	
26	0.000	0.738	0.108	0.366	0.180	0.180	0.126	0.180	0.072	0.072	0.054	0.000	
27	0.000	0.738	0.090	0.180	0.162	0.180	0.144	0.180	0.072	0.072	0.054	0.000	
28	0.000	0.162	0.054	1.950	0.162	0.180	0.490	0.180	0.072	0.072	0.072	0.000	
29	0.000	0.366	0.054	0.490	0.162	0.180	0.304	0.162	0.108	0.072	0.072	0.000	
30	0.000	0.428	0.054	1.140	0.144	0.180	0.242	0.162	0.108	0.072		0.000	
31		0.242		0.738	1.850		0.180		0.108	0.072		0.000	
TOTAL	0.000	2.674	8.621	8.606	16.241	35.956	27.797	16.947	3.384	2.682	2.034	0.684	125.626 CMSDAY
MEAN	0.000	0.086	0.287	0.278	0.524	1.199	0.897	0.565	0.109	0.087	0.070	0.022	0.343 CMS
MAX	0.000	0.738	2.550	1.950	3.110	3.925	10.000	5.050	0.162	0.108	0.072	0.072	10.000 CMS
MIN	0.000	0.000	0.018	0.036	0.036	0.180	0.126	0.126	0.072	0.072	0.054	0.000	0.000 CMS
RUNOFF	0.000	0.231	0.745	0.744	1.403	3.107	2.402	1.464	0.292	0.232	0.176	0.059	10.854 MCM

MOMENTARY PEAK 17.85 CMS, AT 1.60 M (A.D), AT 6.00 HOURS, ON OCT 4, 1983

RUNOFF YIELD 4.64 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 241.22 LITERS/SECOND/SQUARE KM

WATER YEAR 1983

WANG RIVER BASIN

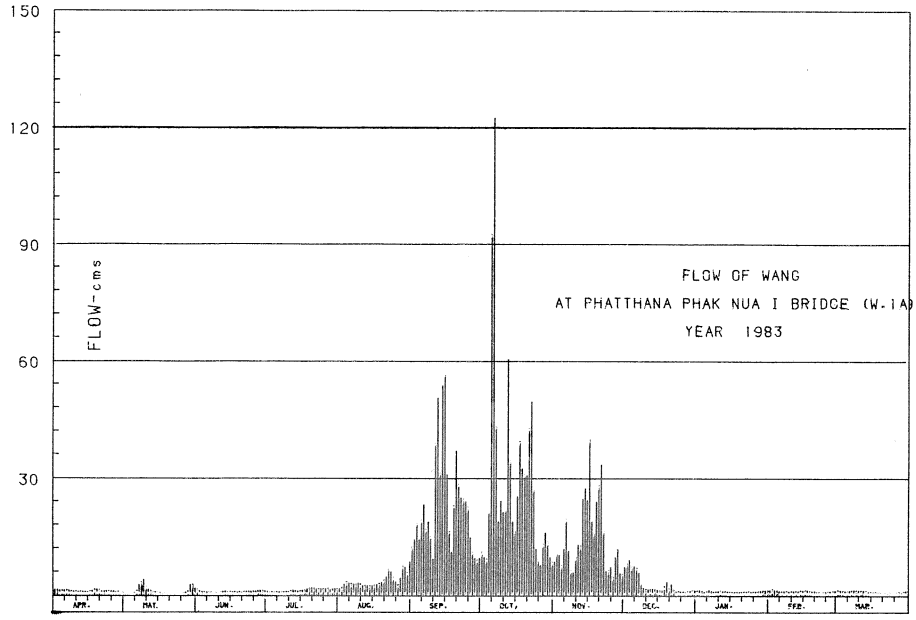
WANG RIVER AT LAMPANG, LAMPANG (W.1A)

LOCATION	LAT. 18°-17'-24" N., LONG. 99°-29'-40" E., ON LEFT BANK ABOUT 300 METERS UPSTREAM FROM PHATTHANA PHAK NUA 1, AMPHOE MUANG, LAMPANG.
DRAINAGE AREA	3,481 SQ.KM.
TYPE OF GAGE	WATER-STAGE RECORDER.
ZERO GAGE AT BOTTOM	+227.80 M. (M.S.L.)
BENCH MARK	B.M.-H.D.
LOCATION	NEAR THE TOP OF STAFF GAGE.
ELEVATION	+234.247 M. (M.S.L.)
GAGE READING FREQUENCY	RECORDING.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 24 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1966 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1967 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1967 TO DATE.
STABILITY OF CHANNEL REGIMES	STABLE.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS GOOD. STAGE-DISCHARGE RELATION DEFINED BY 24 DISCHARGE MEASUREMENTS MADE IN 1983.

GAGE HEIGHT IN METER (MSL), WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	227.81	227.69	227.81	227.74	227.83	228.40	228.35	228.25	228.19	227.78	227.79	227.79	
2	227.80	227.67	227.77	227.73	227.86	228.47	228.30	228.35	228.23	227.79	227.82	227.78	
3	227.79	227.67	227.74	227.73	227.94	228.61	228.28	228.32	228.27	227.76	227.80	227.77	
4	227.79	227.67	227.74	227.73	227.98	228.47	228.68	228.21	228.20	227.73	227.78	227.76	
5	227.79	227.71	227.72	227.73	227.96	228.63	230.07	228.38	228.20	227.75	227.77	227.76	
6	227.79	227.77	227.72	227.73	227.95	228.75	230.47	228.64	228.18	227.79	227.75	227.77	
7	227.78	227.93	227.72	227.73	227.94	228.56	229.23	228.36	228.12	227.75	227.76	227.78	
8	227.76	227.97	227.71	227.74	227.94	228.62	228.62	228.15	228.00	227.75	227.76	227.79	
9	227.75	228.02	227.70	227.74	227.96	228.50	228.79	228.12	227.86	227.75	227.75	227.78	
10	227.75	227.89	227.70	227.74	227.94	228.28	228.69	228.30	227.82	227.76	227.76	227.78	
11	227.74	227.81	227.73	227.76	227.91	229.14	228.72	228.42	227.82	227.77	227.76	227.78	
12	227.74	227.77	227.75	227.78	227.91	229.38	229.56	228.41	227.81	227.76	227.76	227.78	
13	227.74	227.74	227.75	227.76	227.91	228.98	229.05	228.79	227.83	227.75	227.76	227.77	
14	227.73	227.72	227.73	227.75	227.91	229.44	228.62	228.88	227.81	227.75	227.78	227.74	
15	227.73	227.72	227.74	227.76	227.91	229.50	228.54	228.78	227.80	227.74	227.78	227.73	
16	227.75	227.69	227.74	227.78	227.92	228.97	228.81	229.16	227.78	227.74	227.79	227.73	
17	227.77	227.68	227.73	227.79	227.93	228.54	229.15	228.62	227.78	227.73	227.79	227.73	
18	227.81	227.67	227.73	227.82	227.95	228.35	229.01	228.53	227.91	227.74	227.77	227.72	
19	227.81	227.66	227.73	227.84	227.97	228.74	228.97	228.77	227.98	227.73	227.76	227.71	
20	227.79	227.65	227.73	227.86	228.01	229.10	228.96	228.88	227.84	227.74	227.75	227.71	
21	227.76	227.65	227.74	227.84	228.06	228.89	229.22	229.03	227.94	227.74	227.74	227.71	
22	227.75	227.64	227.75	227.82	228.16	228.80	229.36	228.55	227.80	227.75	227.73	227.71	
23	227.76	227.64	227.75	227.83	228.13	228.79	228.86	228.14	227.75	227.75	227.72	227.71	
24	227.76	227.63	227.75	227.83	228.05	228.77	228.38	228.15	227.75	227.74	227.73	227.71	
25	227.76	227.65	227.75	227.83	227.98	228.73	228.28	228.19	227.75	227.74	227.74	227.72	
26	227.75	227.68	227.76	227.83	227.93	228.49	228.21	228.06	227.74	227.75	227.74	227.72	
27	227.74	227.72	227.77	227.84	228.04	228.35	228.43	228.30	227.73	227.75	227.75	227.74	
28	227.74	227.75	227.78	227.80	228.21	228.29	228.53	228.40	227.75	227.77	227.76	227.72	
29	227.72	227.93	227.77	227.81	228.19	228.27	228.45	228.11	227.77	227.78	227.77	227.74	
30	227.70	227.93	227.76	227.83	228.12	228.29	228.30	228.10	227.78	227.78		227.76	
31		227.84		227.83	228.25		228.25		227.78	227.78		227.77	
MEAN	227.76	227.75	227.74	227.78	227.99	228.70	228.81	228.44	227.90	227.75	227.76	227.75	
MAX	227.81	228.02	227.81	227.86	228.25	229.50	230.47	229.16	228.27	227.79	227.82	227.79	230.47
MIN	227.70	227.63	227.70	227.73	227.83	228.27	228.21	228.06	227.73	227.73	227.72	227.71	227.63

ANNUAL MAX MOMENTARY GAGE HEIGHT 230.70 M (MSL), AT 11.00 HOURS, ON OCT 6, 1983
ZERO GAGE AT BOTTOM ELEVATION 227.80 M (MSL), RIVER BED 226.83 M (MSL)
LEFT BANK ELEVATION 234.52 M (MSL)
RIGHT BANK ELEVATION 234.51 M (MSL), DRAINAGE AREA 3481 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	1.69	0.76	1.69	1.12	1.87	12.50	11.20	8.75	7.40	1.44	1.52	1.52	
2	1.60	0.68	1.36	1.04	2.14	14.39	9.90	11.20	8.29	1.52	1.78	1.44	
3	1.52	0.68	1.12	1.04	3.06	18.64	9.44	10.42	9.21	1.28	1.60	1.36	
4	1.52	0.68	1.12	1.04	3.62	14.39	21.02	7.83	7.60	1.04	1.44	1.28	
5	1.52	0.88	0.96	1.04	3.34	19.32	92.56	11.98	7.60	1.20	1.36	1.28	
6	1.52	1.36	0.96	1.04	3.20	23.40	122.46	19.66	7.20	1.52	1.20	1.36	
7	1.44	2.92	0.96	1.04	3.06	17.06	43.24	11.46	6.00	1.20	1.28	1.44	
8	1.28	3.48	0.88	1.12	3.06	18.98	18.98	6.60	3.90	1.20	1.28	1.52	
9	1.20	4.24	0.80	1.12	3.34	15.20	24.76	6.00	2.14	1.20	1.20	1.44	
10	1.20	2.41	0.80	1.12	3.06	9.44	21.36	9.90	1.78	1.28	1.28	1.44	
11	1.12	1.69	1.04	1.28	2.64	38.98	22.38	13.04	1.78	1.36	1.28	1.44	
12	1.12	1.36	1.20	1.44	2.64	50.68	60.48	12.77	1.69	1.28	1.28	1.44	
13	1.12	1.12	1.20	1.28	2.64	31.38	34.55	24.76	1.87	1.20	1.28	1.36	
14	1.04	0.96	1.04	1.20	2.64	53.82	18.98	28.14	1.69	1.20	1.44	1.12	
15	1.04	0.96	1.12	1.28	2.64	57.00	16.44	24.42	1.60	1.12	1.44	1.04	
16	1.20	0.76	1.12	1.44	2.78	31.07	25.48	39.92	1.44	1.12	1.52	1.04	
17	1.36	0.72	1.04	1.52	2.92	16.44	39.45	18.98	1.44	1.04	1.52	1.04	
18	1.69	0.68	1.04	1.78	3.20	11.20	32.51	16.13	2.64	1.12	1.36	0.96	
19	1.69	0.64	1.04	1.96	3.48	23.06	31.07	24.08	3.62	1.04	1.28	0.88	
20	1.52	0.60	1.04	2.14	4.07	37.10	30.76	28.14	1.96	1.12	1.20	0.88	
21	1.28	0.60	1.12	1.96	4.92	28.52	42.76	33.53	3.06	1.12	1.12	0.88	
22	1.20	0.56	1.20	1.78	6.80	25.10	49.66	16.75	1.60	1.20	1.04	0.88	
23	1.28	0.56	1.20	1.87	6.20	24.76	27.38	6.40	1.20	1.20	0.96	0.88	
24	1.28	0.52	1.20	1.87	4.75	24.08	11.98	6.60	1.20	1.12	1.04	0.88	
25	1.28	0.60	1.20	1.87	3.62	22.72	9.44	7.40	1.20	1.12	1.12	0.96	
26	1.20	0.72	1.28	1.87	2.92	14.93	7.83	4.92	1.12	1.20	1.12	0.96	
27	1.12	0.96	1.36	1.96	4.58	11.20	13.31	9.90	1.04	1.20	1.20	1.12	
28	1.12	1.20	1.44	1.60	7.83	9.67	16.13	12.50	1.20	1.36	1.28	0.96	
29	0.96	2.92	1.36	1.69	7.40	9.21	13.85	5.80	1.36	1.44	1.36	1.12	
30	0.80	2.92	1.28	1.87	6.00	9.67	9.90	5.60	1.44	1.44		1.28	
31		1.96		1.87	8.75		8.75		1.44	1.44		1.36	
TOTAL	38.91	41.10	34.17	46.25	123.17	693.91	898.01	443.58	96.71	38.32	37.78	36.56	2528.47 CMSDAY
MEAN	1.30	1.33	1.14	1.49	3.97	23.13	28.97	14.79	3.12	1.24	1.30	1.18	6.91 CMS
MAX	1.69	4.24	1.69	2.14	8.75	57.00	122.46	39.92	9.21	1.52	1.78	1.52	122.46 CMS
MIN	0.80	0.52	0.80	1.04	1.87	9.21	7.83	4.92	1.04	1.04	0.96	0.88	0.52 CMS
RUNOFF	3.362	3.551	2.952	3.996	10.642	59.954	77.588	38.325	8.356	3.311	3.264	3.159	218.460 MCM

MOMENTARY PEAK 140.90 CMS, AT 230.70 M (MSL), AT 11.00 HOURS, ON OCT 6, 1983

RUNOFF YIELD 1.98 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 40.48 LITERS/SECOND/SQUARE KM

WATER YEAR 1983

WANG RIVER BASIN

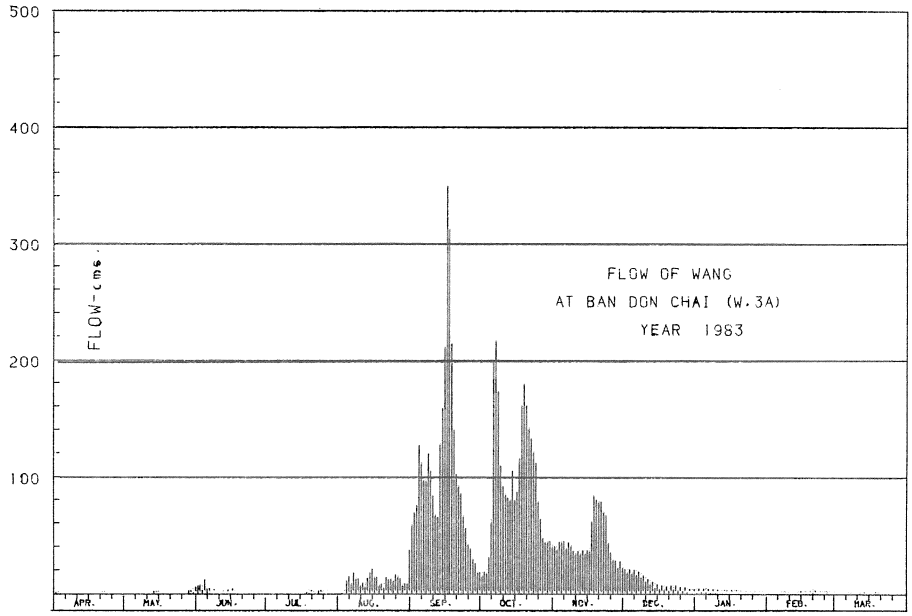
WANG RIVER AT BAN DON CHAI, LAMPANG (W.3A)

LOCATION	LAT. 17°-38'-29" N., LONG. 99°-14'-04" E., ON RIGHT BANK ABOUT 30 METERS UPSTREAM FROM SIRIYONG BRIDGE, AMPHOE THOEN, LAMPANG.
DRAINAGE AREA	8,985 SQ.KM.
TYPE OF GAGE	WATER-STAGE RECORDER.
ZERO GAGE AT BOTTOM	+161.00 M. (M.S.L.)
BENCH MARK	B.M.-H.D.
LOCATION	B.M.1 NEAR AUTOMATIC GAGE BUILDING, B.M.2 ABOUT 15 METERS FROM AUTOMATIC GAGE BUILDING.
ELEVATION	B.M.1=+167.556 M.(M.S.L.), B.M.2=+167.074 M.(M.S.L.).
GAGE READING FREQUENCY	RECORDING.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 24 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1967 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1967 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1967 TO DATE.
STABILITY OF CHANNEL REGIMES	STABLE.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS FAIR. STAGE-DISCHARGE RELATION DEFINED BY 26 DISCHARGE MEASUREMENTS MADE IN 1983.

GAGE HEIGHT IN METER (MSL), WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	161.38	161.34	161.77	161.29	161.46	162.72	161.99	162.24	161.89	161.44	161.28	161.35	
2	161.37	161.32	161.70	161.27	161.53	162.83	162.01	162.24	161.89	161.45	161.30	161.28	
3	161.36	161.33	161.66	161.26	161.49	162.95	162.05	162.30	161.89	161.47	161.31	161.26	
4	161.36	161.31	161.84	161.24	161.90	163.45	162.08	162.34	161.88	161.45	161.32	161.26	
5	161.36	161.27	161.70	161.24	161.91	163.33	162.56	162.31	161.88	161.46	161.32	161.30	
6	161.36	161.27	161.58	161.23	161.82	163.15	164.04	162.25	161.86	161.44	161.35	161.32	
7	161.36	161.28	161.52	161.23	161.99	163.18	164.21	162.29	161.85	161.44	161.35	161.29	
8	161.36	161.29	161.53	161.23	161.94	163.38	163.79	162.29	161.81	161.43	161.34	161.28	
9	161.36	161.29	161.45	161.23	161.86	163.27	163.15	162.17	161.78	161.43	161.34	161.28	
10	161.36	161.28	161.42	161.22	161.78	163.01	162.92	162.17	161.74	161.42	161.32	161.28	
11	161.36	161.27	161.40	161.24	161.75	162.84	162.87	162.17	161.71	161.41	161.32	161.30	
12	161.36	161.26	161.44	161.24	161.75	162.78	162.80	162.18	161.68	161.40	161.32	161.31	
13	161.35	161.43	161.41	161.22	161.87	163.48	162.81	162.18	161.65	161.40	161.32	161.30	
14	161.34	161.42	161.51	161.22	162.06	163.73	163.07	162.18	161.60	161.40	161.33	161.29	
15	161.33	161.43	161.53	161.22	162.06	164.17	162.80	162.18	161.58	161.41	161.36	161.28	
16	161.33	161.40	161.57	161.24	161.97	165.13	162.86	162.21	161.56	161.41	161.36	161.29	
17	161.33	161.37	161.46	161.24	161.90	164.90	163.22	162.54	161.55	161.40	161.36	161.34	
18	161.32	161.36	161.39	161.36	161.78	164.18	163.67	162.85	161.53	161.40	161.37	161.33	
19	161.32	161.34	161.36	161.48	161.72	163.59	163.88	162.78	161.52	161.39	161.38	161.32	
20	161.34	161.29	161.34	161.48	161.72	163.21	163.67	162.79	161.51	161.38	161.43	161.29	
21	161.39	161.28	161.31	161.38	161.89	163.13	163.50	162.76	161.55	161.37	161.39	161.28	
22	161.39	161.27	161.30	161.37	161.94	163.03	163.38	162.68	161.55	161.36	161.38	161.26	
23	161.39	161.27	161.30	161.60	161.85	162.83	163.28	162.61	161.55	161.36	161.37	161.25	
24	161.38	161.27	161.32	161.49	161.90	162.65	163.15	162.32	161.52	161.36	161.36	161.24	
25	161.37	161.27	161.32	161.43	161.95	162.49	162.79	162.15	161.50	161.36	161.36	161.23	
26	161.34	161.27	161.32	161.43	161.98	162.38	162.57	162.09	161.50	161.36	161.36	161.22	
27	161.32	161.27	161.30	161.48	161.86	162.28	162.39	162.03	161.49	161.35	161.36	161.23	
28	161.31	161.57	161.29	161.47	161.78	162.16	162.29	161.97	161.46	161.35	161.36	161.23	
29	161.28	161.48	161.29	161.49	161.73	162.06	162.34	162.02	161.44	161.34	161.36	161.24	
30	161.33	161.56	161.28	161.43	161.83	162.00	162.31	161.97	161.42	161.30		161.25	
31		161.63		161.50	162.36		162.28		161.43	161.26		161.48	
MEAN	161.35	161.34	161.45	161.34	161.85	163.14	162.93	162.31	161.64	161.39	161.35	161.29	
MAX	161.39	161.63	161.84	161.60	162.36	165.13	164.21	162.85	161.89	161.47	161.43	161.48	165.13
MIN	161.28	161.26	161.28	161.22	161.46	162.00	161.99	161.97	161.42	161.26	161.28	161.22	161.22

ANNUAL MAX MOMENTARY GAGE HEIGHT 165.23 M (MSL), AT 22.00 HOURS, ON SET 16, 1983
ZERO GAGE AT BOTTOM ELEVATION 161.00 M (MSL), RIVER BED 160.25 M (MSL)
LEFT BANK ELEVATION 171.25 M (MSL)
RIGHT BANK ELEVATION 171.23 M (MSL), DRAINAGE AREA 8985 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	1.78	1.34	10.10	0.81	2.90	61.08	18.10	40.94	21.22	4.50	1.20	2.50	
2	1.67	1.12	8.00	0.63	4.10	69.28	18.97	40.94	21.22	4.75	1.50	1.20	
3	1.56	1.23	7.00	0.54	3.35	78.90	20.85	44.60	21.22	5.25	1.70	0.90	
4	1.56	1.01	12.40	0.36	14.50	127.25	31.38	47.36	20.74	4.75	1.90	0.90	
5	1.56	0.63	8.00	0.36	14.90	114.65	63.40	45.29	20.74	5.00	1.90	1.50	
6	1.56	0.63	5.10	0.27	11.70	96.75	199.40	41.55	19.78	4.50	2.50	1.90	
7	1.56	0.72	3.90	0.27	18.10	99.60	218.80	43.99	19.30	4.50	2.50	1.35	
8	1.56	0.81	4.10	0.27	16.10	119.90	173.00	43.99	17.38	4.25	2.30	1.20	
9	1.56	0.81	2.75	0.27	13.10	108.50	112.25	36.70	16.02	4.25	2.30	1.20	
10	1.56	0.72	2.30	0.18	10.40	84.08	92.14	36.70	14.26	4.00	1.90	1.20	
11	1.56	0.63	2.00	0.36	9.50	70.04	87.94	36.70	12.94	3.75	1.90	1.50	
12	1.56	0.54	2.60	0.36	9.50	65.52	82.20	37.30	11.80	3.50	1.90	1.70	
13	1.45	2.45	2.15	0.18	13.45	130.40	83.02	37.30	10.75	3.50	1.90	1.50	
14	1.34	2.30	3.70	0.18	21.32	158.74	105.19	37.30	9.00	3.50	2.10	1.35	
15	1.23	2.45	4.10	0.18	21.32	213.11	82.20	37.30	8.40	3.75	2.70	1.20	
16	1.23	2.00	4.90	0.36	17.30	349.50	87.12	39.11	7.80	3.75	2.70	1.35	
17	1.23	1.67	2.90	0.36	14.50	315.50	118.52	61.90	7.50	3.50	2.70	2.30	
18	1.12	1.56	1.89	1.56	10.40	214.44	161.06	86.30	6.90	3.50	2.90	2.10	
19	1.12	1.34	1.56	3.20	8.60	142.40	182.24	80.56	6.60	3.30	3.10	1.90	
20	1.34	0.81	1.34	3.20	8.60	102.50	161.06	81.38	6.30	3.10	4.25	1.35	
21	1.89	0.72	1.01	1.78	14.15	94.85	144.50	78.92	7.50	2.90	3.30	1.20	
22	1.89	0.63	0.90	1.67	16.10	85.84	133.16	72.48	7.50	2.70	3.10	0.90	
23	1.89	0.63	0.90	5.50	12.75	69.28	123.98	67.16	7.50	2.70	2.90	0.75	
24	1.78	0.63	1.12	3.35	14.50	56.20	112.25	45.98	6.60	2.70	2.70	0.60	
25	1.67	0.63	1.12	2.45	16.50	45.39	81.38	35.50	6.00	2.70	2.70	0.45	
26	1.34	0.63	1.12	2.45	17.70	38.70	64.15	31.94	6.00	2.70	2.70	0.30	
27	1.12	0.63	0.90	3.20	13.10	32.80	50.81	28.58	5.75	2.50	2.70	0.45	
28	1.01	4.90	0.81	3.05	10.40	26.32	43.99	25.34	5.00	2.50	2.70	0.45	
29	0.72	3.20	0.81	3.35	8.90	21.32	47.36	28.02	4.50	2.30	2.70	0.60	
30	1.23	4.70	0.72	2.45	12.05	18.50	45.29	25.34	4.00	1.50		0.75	
31		6.25		3.50	37.50		43.38		4.25	0.90		5.50	
TOTAL	43.65	48.32	100.20	46.65	417.29	3211.34	2989.09	1396.47	344.47	107.00	71.35	42.05	8817.88 CMSDAY
MEAN	1.46	1.56	3.34	1.50	13.46	107.04	96.42	46.55	11.11	3.45	2.46	1.36	24.09 CMS
MAX	1.89	6.25	12.40	5.50	37.50	349.50	218.80	86.30	21.22	5.25	4.25	5.50	349.50 CMS
MIN	0.72	0.54	0.72	0.18	2.90	18.50	18.10	25.34	4.00	0.90	1.20	0.30	0.18 CMS
RUNOFF	3.771	4.175	8.657	4.031	36.054	277.460	258.257	120.655	29.762	9.245	6.165	3.633	761.865 MCM

MOMENTARY PEAK 364.65 CMS, AT 165.23 M (MSL), AT 22.00 HOURS, ON SET 16, 1983

RUNOFF YIELD 2.68 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 40.58 LITERS/SECOND/SQUARE KM

WATER YEAR 1983

WANG RIVER BASIN

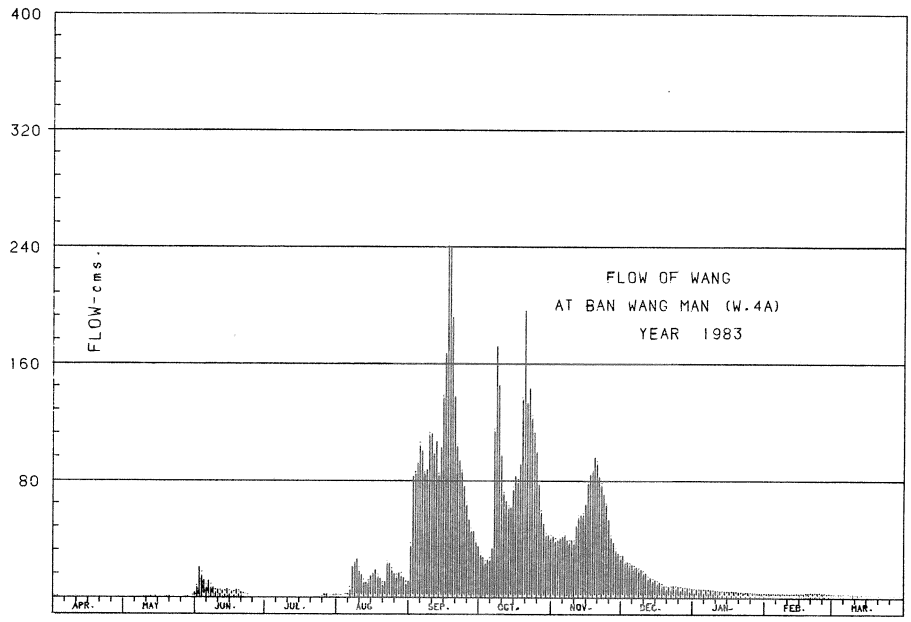
WANG RIVER AT BAN WANG MAN, TAK (W.4A)

LOCATION	LAT. 17°-12′-22″ N., LONG. 99°-06′-08″ E., ON RIGHT BANK ABOUT 200 METERS UPSTREAM FROM THE BRIDGE ON HIGHWAY, AMPHOE SAM NGAO, TAK.
DRAINAGE AREA	10,507 SQ.KM.
TYPE OF GAGE	WATER-STAGE RECORDER.
ZERO GAGE AT BOTTOM	+130.00 M. (M.S.L.)
BENCH MARK	B.M.-H.D.
LOCATION	INFRONT OF WAT WANG MAN.
ELEVATION	+136.071 M. (M.S.L.)
GAGE READING FREQUENCY	RECORDING.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 24 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1968 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1971 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1971 TO DATE.
STABILITY OF CHANNEL REGIMES	STABLE.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS GOOD. UPSTREAM STATE DIVERSIONS FOR IRRIGATION ABOUT 12,320 HECTARES. STAGE-DISCHARGE RELATION DEFINED BY 34 DISCHARGE MEASUREMENTS MADE IN 1983.

GAGE HEIGHT IN METER (MSL), WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	130.70	130.57	131.21	130.68	130.82	132.12	131.95	132.24	131.89	131.11	130.91	130.85	
2	130.70	130.56	131.65	130.66	130.79	133.17	131.85	132.21	131.80	131.10	130.91	130.84	
3	130.70	130.56	131.55	130.64	130.80	133.23	131.79	132.17	131.76	131.10	130.91	130.84	
4	130.70	130.56	131.35	130.62	130.85	133.34	131.80	132.27	131.74	131.10	130.90	130.84	
5	130.70	130.56	131.24	130.62	130.88	133.59	131.85	132.23	131.70	131.09	130.90	130.84	
6	130.70	130.56	131.33	130.62	131.17	133.49	132.02	132.31	131.68	131.09	130.90	130.83	
7	130.70	130.59	131.25	130.61	131.66	133.23	133.74	132.17	131.65	131.08	130.90	130.83	
8	130.70	130.62	131.15	130.61	131.82	133.26	134.63	132.17	131.63	131.07	130.90	130.82	
9	130.70	130.63	131.08	130.60	131.82	133.70	134.25	132.17	131.60	131.05	130.89	130.82	
10	130.70	130.62	131.07	130.59	131.65	133.69	133.43	132.17	131.57	131.04	130.89	130.81	
11	130.69	130.64	131.06	130.58	131.48	133.49	132.96	132.42	131.52	131.03	130.89	130.79	
12	130.68	130.65	131.02	130.58	131.37	133.60	132.82	132.60	131.44	131.02	130.89	130.79	
13	130.68	130.67	131.03	130.58	131.29	133.21	132.75	132.60	131.41	131.01	130.90	130.79	
14	130.68	130.66	131.10	130.57	131.35	133.53	132.72	132.64	131.39	131.01	130.90	130.79	
15	130.67	130.62	131.03	130.56	131.45	134.11	133.03	132.77	131.36	131.00	130.90	130.79	
16	130.66	130.60	130.98	130.54	131.59	134.56	133.17	133.10	131.33	131.00	130.90	130.79	
17	130.66	130.60	130.99	130.53	131.59	135.60	133.13	133.19	131.30	131.00	130.90	130.79	
18	130.65	130.62	131.07	130.52	131.49	135.56	133.32	133.27	131.26	131.00	130.92	130.78	
19	130.64	130.68	131.03	130.50	131.39	134.94	134.09	133.41	131.20	130.99	130.93	130.78	
20	130.63	130.67	130.96	130.50	131.31	134.10	134.98	133.36	131.19	130.97	130.93	130.78	
21	130.63	130.64	130.91	130.50	131.31	133.57	134.06	133.16	131.18	130.96	130.93	130.78	
22	130.63	130.62	130.86	130.50	131.78	133.37	134.19	133.08	131.19	130.95	130.93	130.77	
23	130.63	130.60	130.83	130.60	131.73	133.25	133.89	132.92	131.21	130.95	130.93	130.76	
24	130.63	130.60	130.80	130.71	131.63	133.04	133.70	132.79	131.20	130.95	130.93	130.75	
25	130.62	130.60	130.78	130.71	131.50	132.81	133.51	132.53	131.18	130.95	130.92	130.74	
26	130.61	130.60	130.76	130.86	131.49	132.53	133.06	132.26	131.17	130.94	130.91	130.74	
27	130.61	130.64	130.75	130.83	131.52	132.39	132.68	132.13	131.15	130.93	130.90	130.74	
28	130.61	130.64	130.74	130.79	131.53	132.33	132.46	132.03	131.15	130.92	130.89	130.73	
29	130.61	130.66	130.72	130.78	131.41	132.19	132.30	131.93	131.14	130.91	130.87	130.72	
30	130.59	130.76	130.70	130.81	131.33	132.06	132.26	131.88	131.13	130.91		130.72	
31		130.94		130.81	131.32		132.26		131.12	130.91		130.72	
MEAN	130.66	130.63	131.03	130.63	131.39	133.44	133.05	132.54	131.39	131.00	130.91	130.79	
MAX	130.70	130.94	131.65	130.86	131.82	135.60	134.98	133.41	131.89	131.11	130.93	130.85	135.60
MIN	130.59	130.56	130.70	130.50	130.79	132.06	131.79	131.88	131.12	130.91	130.87	130.72	130.50

ANNUAL MAX MOMENTARY GAGE HEIGHT 135.65 M (MSL), AT 17.00 HOURS, ON SEP 17, 1983
ZERO GAGE AT BOTTOM ELEVATION 130.00 M (MSL), RIVER BED 130.29 M (MSL)
LEFT BANK ELEVATION 136.01 M (MSL)
RIGHT BANK ELEVATION 136.70 M (MSL), DRAINAGE AREA 10507 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	1.10	0.38	8.45	0.98	2.20	37.24	31.10	41.76	28.95	6.22	3.15	2.50	
2	1.10	0.34	20.90	0.86	1.91	83.01	27.55	40.59	25.80	6.00	3.15	2.40	
3	1.10	0.34	17.80	0.74	2.00	86.22	25.47	39.09	24.48	6.00	3.15	2.40	
4	1.10	0.34	12.05	0.62	2.50	92.16	25.80	42.93	23.82	6.00	3.00	2.40	
5	1.10	0.34	9.20	0.62	2.80	106.22	27.55	41.37	22.50	5.85	3.00	2.40	
6	1.10	0.34	11.51	0.62	7.54	100.44	33.62	44.49	21.86	5.85	3.00	2.30	
7	1.10	0.46	9.45	0.56	21.22	86.22	115.20	39.09	20.90	5.70	3.00	2.30	
8	1.10	0.62	7.10	0.56	26.50	87.84	171.67	39.09	20.26	5.55	3.00	2.20	
9	1.10	0.68	5.70	0.50	26.50	112.80	146.80	39.09	19.30	5.25	2.90	2.20	
10	1.10	0.62	5.55	0.46	20.90	112.20	97.08	39.09	18.40	5.10	2.90	2.10	
11	1.04	0.74	5.40	0.42	15.72	100.44	72.20	48.80	16.90	4.95	2.90	1.91	
12	0.98	0.80	4.80	0.42	12.59	106.80	65.90	56.00	14.56	4.80	2.90	1.91	
13	0.98	0.92	4.95	0.42	10.45	85.14	62.75	56.00	13.69	4.65	3.00	1.91	
14	0.98	0.86	6.00	0.38	12.05	102.74	61.40	57.80	13.13	4.65	3.00	1.91	
15	0.92	0.62	4.95	0.34	14.85	138.02	75.59	63.65	12.32	4.50	3.00	1.91	
16	0.86	0.50	4.20	0.26	19.00	166.96	83.01	79.30	11.51	4.50	3.00	1.91	
17	0.86	0.50	4.35	0.22	19.00	242.50	80.89	84.07	10.70	4.50	3.00	1.91	
18	0.80	0.62	5.55	0.18	16.01	239.50	91.08	88.38	9.70	4.50	3.30	1.82	
19	0.74	0.98	4.95	0.10	13.13	193.30	136.78	95.96	8.20	4.35	3.45	1.82	
20	0.68	0.92	3.90	0.10	10.97	137.40	196.10	93.24	7.98	4.05	3.45	1.82	
21	0.68	0.74	3.15	0.10	10.97	105.06	134.92	82.48	7.76	3.90	3.45	1.82	
22	0.68	0.62	2.60	0.10	25.14	93.78	142.98	78.24	7.98	3.75	3.45	1.73	
23	0.68	0.50	2.30	0.50	23.49	87.30	124.38	70.40	8.45	3.75	3.45	1.64	
24	0.68	0.50	2.00	1.19	20.26	76.12	112.80	64.55	8.20	3.75	3.45	1.55	
25	0.62	0.50	1.82	1.19	16.30	65.45	101.58	53.20	7.76	3.75	3.30	1.46	
26	0.56	0.50	1.64	2.60	16.01	53.20	77.18	42.54	7.54	3.60	3.15	1.46	
27	0.56	0.74	1.55	2.30	16.90	47.61	59.60	37.61	7.10	3.45	3.00	1.46	
28	0.56	0.74	1.46	1.91	17.20	45.27	50.40	33.98	7.10	3.30	2.90	1.37	
29	0.56	0.86	1.28	1.82	13.69	39.83	44.10	30.38	6.88	3.15	2.70	1.28	
30	0.46	1.64	1.10	2.10	11.51	35.06	42.54	28.60	6.66	3.15		1.28	
31		3.60		2.10	11.24		42.54		6.44	3.15		1.28	
TOTAL	25.88	22.86	175.66	25.27	440.55	3065.83	2560.56	1651.77	426.83	141.67	90.10	58.36	8685.34 CMSDAY
MEAN	0.86	0.74	5.86	0.82	14.21	102.19	82.60	55.06	13.77	4.57	3.11	1.88	23.73 CMS
MAX	1.10	3.60	20.90	2.60	26.50	242.50	196.10	95.96	28.95	6.22	3.45	2.50	242.50 CMS
MIN	0.46	0.34	1.10	0.10	1.91	35.06	25.47	28.60	6.44	3.15	2.70	1.28	0.10 CMS
RUNOFF	2.236	1.975	15.177	2.183	38.064	264.888	221.232	142.713	36.878	12.240	7.785	5.042	750.413 MCM

MOMENTARY PEAK 246.50 CMS, AT 135.65 M (MSL), AT 17.00 HOURS, ON SEP 17, 1983

RUNOFF YIELD 2.26 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 23.46 LITERS/SECOND/SQUARE KM

WATER YEAR 1983

WANG RIVER BASIN

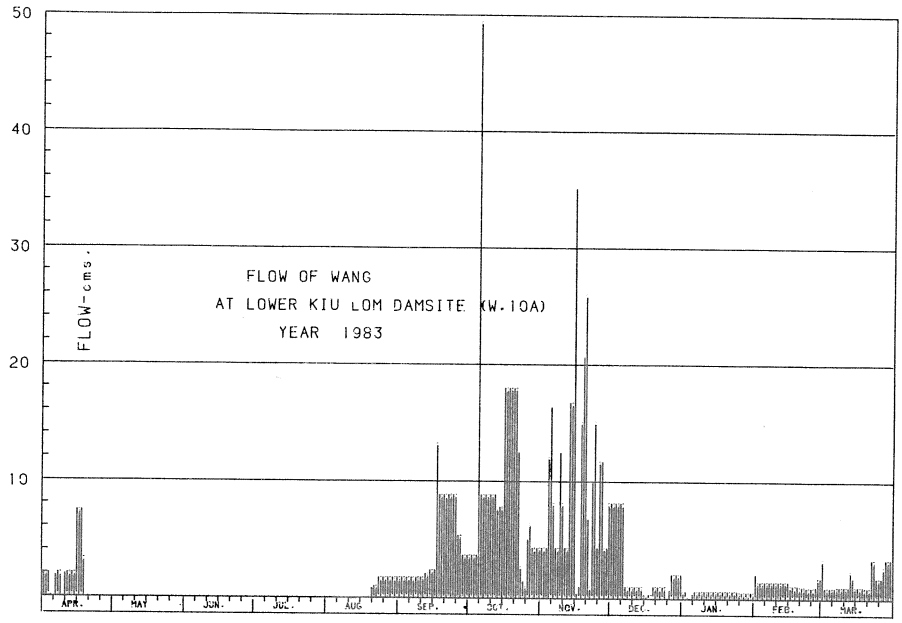
WANG RIVER AT KIU LOM, LAMPANG (W.10A)

LOCATION	LAT. 18°-31'-16" N., LONG. 99°-37'-52" E., ON LEFT BANK ABOUT 800 METERS DOWNSTREAM FROM KIU LOM DAMSITE, AMPHOE CHAE HOM, LAMPANG.
DRAINAGE AREA	2,798 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM	+258.961 M.(M.S.L.)
BENCH MARK	B.M.-H.D.
LOCATION	INFRONT OF AUTOMATIC GAGE BUILDING.
ELEVATION	+265.511 M.(M.S.L.)
GAGE READING FREQUENCY	3-TIME DAILY READINGS AT 09.00, 12.00, AND 15.00 HOURS
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 3 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1966 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1967 - 1980.
RATED BY FLOAT	-
RATED BY CURRENT METER	1967 - 1980.
STABILITY OF CHANNEL REGIMES	STABLE.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS FAIR. FLOW REGULATED BY KIU LOM DAM. STAGE-DISCHARGE RELATION DEFINED BY 21 DISCHARGE MEASUREMENTS MADE IN 1980.

GAGE HEIGHT IN METER (MSL), WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	258.93	258.73	258.73	258.73	258.73	258.92	258.98	259.00	259.11	258.85	258.93	258.97	
2	258.93	258.73	258.73	258.73	258.73	258.92	258.98	259.00	259.11	258.85	258.91	258.88	
3	258.93	258.73	258.73	258.73	258.73	258.92	258.98	259.00	259.11	258.78	258.91	258.88	
4	258.76	258.73	258.73	258.73	258.73	258.92	258.98	259.22	259.11	258.78	258.91	258.88	
5	258.76	258.73	258.73	258.73	258.73	258.92	259.96	259.33	259.11	258.85	258.91	258.88	
6	258.93	258.73	258.73	258.73	258.73	258.92	259.13	259.11	259.11	258.85	258.91	258.88	
7	258.93	258.73	258.73	258.73	258.73	258.92	259.13	259.00	258.89	258.85	258.91	258.89	
8	258.93	258.73	258.73	258.73	258.73	258.92	259.13	259.00	258.89	258.85	258.91	258.89	
9	258.75	258.73	258.73	258.73	258.73	258.92	259.13	259.23	258.89	258.85	258.91	258.89	
10	258.93	258.73	258.73	258.73	258.79	258.92	259.13	259.11	258.89	258.85	258.91	258.89	
11	258.93	258.73	258.73	258.73	258.73	258.92	259.13	259.00	258.89	258.85	258.91	258.89	
12	258.93	258.73	258.73	258.73	258.73	258.93	259.13	259.00	258.89	258.85	258.91	258.89	
13	258.93	258.73	258.73	258.73	258.73	258.93	259.10	259.34	258.89	258.85	258.91	258.94	
14	258.93	258.73	258.73	258.73	258.73	258.94	259.10	259.34	258.89	258.85	258.91	258.92	
15	259.09	258.73	258.73	258.73	258.73	258.94	259.10	259.72	258.82	258.85	258.91	258.89	
16	259.09	258.73	258.73	258.73	258.73	258.94	259.37	258.85	258.78	258.85	258.90	258.89	
17	259.09	258.73	258.73	258.73	258.73	259.25	259.37	258.89	258.82	258.85	258.90	258.89	
18	258.97	258.73	258.73	258.73	258.73	259.13	259.37	259.30	258.82	258.85	258.90	258.89	
19	258.75	258.73	258.73	258.73	258.79	259.13	259.37	259.43	258.89	258.85	258.90	258.88	
20	258.75	258.73	258.73	258.73	258.89	259.13	259.37	259.54	258.89	258.85	258.89	258.88	
21	258.74	258.73	258.73	258.73	258.89	259.13	259.37	259.07	258.89	258.85	258.89	258.88	
22	258.74	258.73	258.73	258.73	258.89	259.13	259.23	258.89	258.89	258.85	258.89	258.97	
23	258.74	258.73	258.73	258.73	258.92	259.13	258.95	259.16	258.89	258.85	258.88	258.97	
24	258.74	258.73	258.73	258.73	258.92	259.13	258.91	259.30	258.89	258.85	258.88	258.92	
25	258.74	258.73	258.73	258.73	258.92	259.13	258.89	259.00	258.78	258.84	258.88	258.92	
26	258.73	258.73	258.73	258.73	258.92	259.03	259.02	259.21	258.88	258.84	258.88	258.92	
27	258.73	258.73	258.73	258.73	258.92	259.03	259.06	259.21	258.93	258.84	258.89	258.95	
28	258.73	258.73	258.73	258.73	258.92	258.98	259.00	259.00	258.93	258.84	258.92	258.97	
29	258.73	258.73	258.73	258.73	258.92	258.98	259.00	259.00	258.93	258.84	258.92	258.97	
30	258.73	258.73	258.73	258.73	258.92	258.98	259.00	259.11	258.93	258.84		258.97	
31		258.73		258.73	258.92		259.00		258.93	258.84		258.97	
MEAN	258.85	258.73	258.73	258.73	258.80	259.00	259.14	259.15	258.92	258.84	258.90	258.91	
MAX	259.09	258.73	258.73	258.73	258.92	259.25	259.96	259.72	259.11	258.85	258.93	258.97	259.96
MIN	258.73	258.73	258.73	258.73	258.73	258.92	258.89	258.85	258.78	258.78	258.88	258.88	258.73

ANNUAL MAX MOMENTARY GAGE HEIGHT 259.96 M (MSL), AT 15.00 HOURS, ON OCT 5, 1983
ZERO GAGE AT BOTTOM ELEVATION 258.96 M (MSL), RIVER BED 258.00 M (MSL)
LEFT BANK ELEVATION 269.60 M (MSL)
RIGHT BANK ELEVATION 269.21 M (MSL), DRAINAGE AREA 2798 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	2.07	0.05	0.05	0.05	0.05	1.76	3.66	4.30	8.15	0.64	2.07	3.35	
2	2.07	0.05	0.05	0.05	0.05	1.76	3.66	4.30	8.15	0.64	1.44	0.93	
3	2.07	0.05	0.05	0.05	0.05	1.76	3.66	4.30	8.15	0.13	1.44	0.93	
4	0.10	0.05	0.05	0.05	0.05	1.76	3.66	12.06	8.15	0.13	1.44	0.93	
5	0.10	0.05	0.05	0.05	0.05	1.76	49.40	16.33	8.15	0.64	1.44	0.93	
6	2.07	0.05	0.05	0.05	0.05	1.76	8.85	8.15	8.15	0.64	1.44	0.93	
7	2.07	0.05	0.05	0.05	0.05	1.76	8.85	4.30	1.02	0.64	1.44	1.02	
8	2.07	0.05	0.05	0.05	0.05	1.76	8.85	4.30	1.02	0.64	1.44	1.02	
9	0.08	0.05	0.05	0.05	0.05	1.76	8.85	12.44	1.02	0.64	1.44	1.02	
10	2.07	0.05	0.05	0.05	0.14	1.76	8.85	8.15	1.02	0.64	1.44	1.02	
11	2.07	0.05	0.05	0.05	0.05	1.76	8.85	4.30	1.02	0.64	1.44	1.02	
12	2.07	0.05	0.05	0.05	0.05	2.07	8.85	4.30	1.02	0.64	1.44	1.02	
13	2.07	0.05	0.05	0.05	0.05	2.07	7.80	16.74	1.02	0.64	1.44	2.39	
14	2.07	0.05	0.05	0.05	0.05	2.39	7.80	16.74	1.02	0.64	1.44	1.76	
15	7.45	0.05	0.05	0.05	0.05	2.39	7.80	35.10	0.35	0.64	1.44	1.02	
16	7.45	0.05	0.05	0.05	0.05	2.39	17.97	0.64	0.13	0.64	1.12	1.02	
17	7.45	0.05	0.05	0.05	0.05	13.20	17.97	1.02	0.35	0.64	1.12	1.02	
18	3.35	0.05	0.05	0.05	0.05	8.85	17.97	15.10	0.35	0.64	1.12	1.02	
19	0.08	0.05	0.05	0.05	0.14	8.85	17.97	20.64	1.02	0.64	1.12	0.93	
20	0.08	0.05	0.05	0.05	1.02	8.85	17.97	26.00	1.02	0.64	1.02	0.93	
21	0.06	0.05	0.05	0.05	1.02	8.85	17.97	6.75	1.02	0.64	1.02	0.93	
22	0.06	0.05	0.05	0.05	1.02	8.85	12.44	1.02	1.02	0.64	1.02	3.35	
23	0.06	0.05	0.05	0.05	1.76	8.85	2.71	9.90	1.02	0.64	0.93	3.35	
24	0.06	0.05	0.05	0.05	1.76	8.85	1.44	15.10	1.02	0.64	0.93	1.76	
25	0.06	0.05	0.05	0.05	1.76	8.85	1.02	4.30	0.13	0.54	0.93	1.76	
26	0.05	0.05	0.05	0.05	1.76	5.35	5.00	11.68	0.93	0.54	0.93	1.76	
27	0.05	0.05	0.05	0.05	1.76	5.35	6.40	11.68	2.07	0.54	1.02	2.71	
28	0.05	0.05	0.05	0.05	1.76	3.66	4.30	4.30	2.07	0.54	1.76	3.35	
29	0.05	0.05	0.05	0.05	1.76	3.66	4.30	4.30	2.07	0.54	1.76	3.35	
30	0.05	0.05	0.05	0.05	1.76	3.66	4.30	8.15	2.07	0.54		3.35	
31		0.05		0.05	1.76		4.30		2.07	0.54		3.35	
TOTAL	49.46	1.55	1.50	1.55	20.03	136.35	303.42	296.39	75.77	18.12	38.03	53.23	995.40 CMSDAY
MEAN	1.65	0.05	0.05	0.05	0.65	4.55	9.79	9.88	2.44	0.58	1.31	1.72	2.72 CMS
MAX	7.45	0.05	0.05	0.05	1.76	13.20	49.40	35.10	8.15	0.64	2.07	3.35	49.40 CMS
MIN	0.05	0.05	0.05	0.05	0.05	1.76	1.02	0.64	0.13	0.13	0.93	0.93	0.05 CMS
RUNOFF	4.273	0.134	0.130	0.134	1.731	11.781	26.215	25.608	6.547	1.566	3.286	4.599	86.003 MCM

MOMENTARY PEAK 49.40 CMS, AT 259.96 M (MSL), AT 15.00 HOURS, ON OCT 5, 1983

RUNOFF YIELD 0.97 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 17.66 LITERS/SECOND/SQUARE KM

WATER YEAR 1983

WANG RIVER BASIN

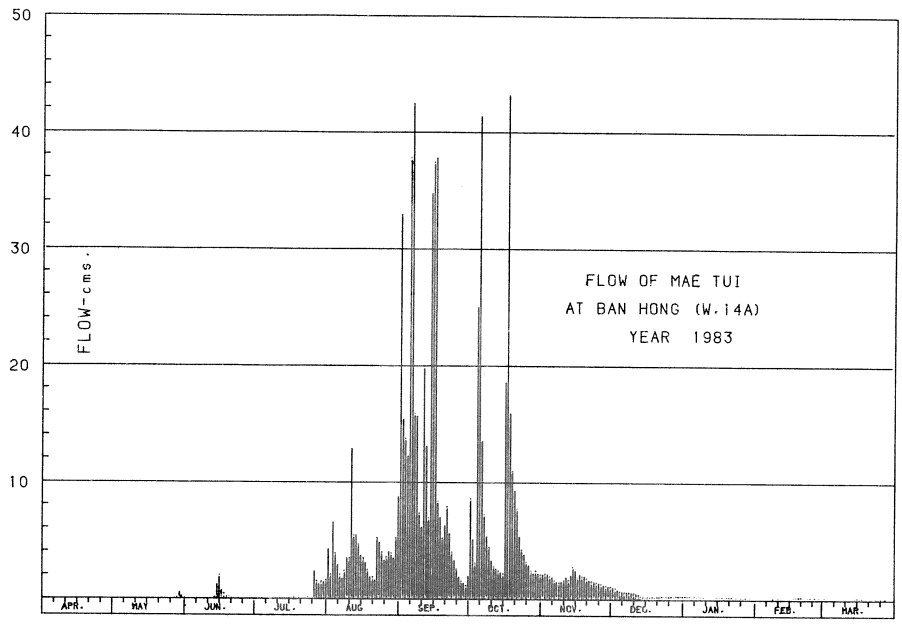
NAM MAE TUI AT BAN HONG, LAMPANG (W.14A)

LOCATION	LAT. 18°-26'-17" N., LONG. 99°-27'-58" E., ON RIGHT BANK AT BAN HONG, TAMBON BAN AIEM, AMPHOE MUANG, LAMPANG.
DRAINAGE AREA	649 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM	+257.670 M.(M.S.L.)
BENCH MARK	B.M.-H.D.
LOCATION	ON RIGHT BANK ABOUT 7.00 METERS FROM THE TOP OF STAFF GAGE.
ELEVATION	+261.325 M.(M.S.L.)
GAGE READING FREQUENCY	5-TIME DAILY READINGS AT 06.00, 09.00, 12.00, 15.00 AND 18.00 HOURS.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 5 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1980 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1980 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1980 TO DATE.
STABILITY OF CHANNEL REGIMES	STABLE.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS GOOD. STAGE-DISCHARGE RELATION DEFINED BY 24 DISCHARGE MEASUREMENTS MADE IN 1983.

GAGE HEIGHT IN METER (MSL), WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	257.68	257.64	257.83	257.76	258.46	259.67	258.77	258.24	258.06	257.89	257.81	257.83	
2	257.68	257.64	257.81	257.76	258.24	259.10	258.53	258.25	258.05	257.89	257.80	257.82	
3	257.68	257.64	257.76	257.76	258.64	259.03	258.35	258.24	258.02	257.89	257.80	257.82	
4	257.68	257.63	257.76	257.76	258.43	258.96	259.44	258.22	258.00	257.88	257.79	257.82	
5	257.68	257.63	257.75	257.76	258.33	259.80	259.89	258.21	257.99	257.88	257.79	257.81	
6	257.68	257.63	257.75	257.76	258.24	259.91	259.02	258.17	257.98	257.87	257.80	257.80	
7	257.68	257.64	257.74	257.76	258.19	259.12	258.69	258.15	257.98	257.87	257.80	257.80	
8	257.68	257.65	257.76	257.75	258.28	259.11	258.55	258.14	257.98	257.86	257.80	257.80	
9	257.68	257.65	257.75	257.76	258.39	258.70	258.48	258.15	257.97	257.85	257.80	257.80	
10	257.68	257.65	257.76	257.76	258.39	258.61	258.37	258.17	257.96	257.84	257.80	257.80	
11	257.68	257.65	257.79	257.76	258.99	259.27	258.32	258.21	257.95	257.83	257.80	257.80	
12	257.68	257.64	257.81	257.76	258.56	259.00	258.30	258.18	257.93	257.83	257.80	257.80	
13	257.68	257.64	257.91	257.75	258.56	258.67	258.28	258.23	257.90	257.83	257.80	257.80	
14	257.68	257.64	258.10	257.76	258.50	259.72	258.26	258.32	257.86	257.84	257.80	257.82	
15	257.68	257.63	258.23	257.75	258.41	259.79	258.25	258.28	257.86	257.84	257.80	257.82	
16	257.68	257.63	258.00	257.75	258.39	259.80	259.22	258.21	257.86	257.84	257.84	257.82	
17	257.68	257.63	257.94	257.83	258.35	258.76	259.93	258.24	257.86	257.84	257.85	257.81	
18	257.69	257.63	257.88	257.81	258.29	258.67	259.12	258.22	257.86	257.85	257.85	257.80	
19	257.69	257.63	257.86	257.80	258.21	258.54	258.90	258.22	257.86	257.85	257.87	257.78	
20	257.69	257.63	257.83	257.82	258.21	258.62	258.81	258.20	257.86	257.86	257.87	257.78	
21	257.69	257.63	257.81	257.79	258.17	258.73	258.72	258.17	257.87	257.85	257.85	257.78	
22	257.70	257.63	257.79	257.81	258.54	258.57	258.55	258.16	257.88	257.84	257.84	257.78	
23	257.70	257.64	257.78	257.81	258.51	258.44	258.46	258.15	257.88	257.83	257.84	257.78	
24	257.70	257.64	257.77	257.80	258.44	258.37	258.42	258.14	257.88	257.83	257.84	257.78	
25	257.69	257.64	257.79	257.80	258.37	258.30	258.36	258.13	257.88	257.82	257.84	257.77	
26	257.68	257.69	257.78	258.27	258.40	258.21	258.33	258.12	257.88	257.83	257.84	257.77	
27	257.68	257.70	257.78	258.16	258.44	258.16	258.28	258.10	257.88	257.83	257.84	257.77	
28	257.66	257.81	257.76	258.11	258.43	258.13	258.25	258.09	257.89	257.83	257.84	257.78	
29	257.65	257.96	257.77	258.15	258.39	258.10	258.28	258.08	257.89	257.83	257.84	257.78	
30	257.64	257.86	257.77	258.14	258.54	258.22	258.25	258.08	257.89	257.82		257.78	
31		257.83		258.17	258.78		258.24		257.89	257.82		257.78	
MEAN	257.68	257.67	257.83	257.85	258.42	258.87	258.63	258.18	257.92	257.85	257.82	257.80	
MAX	257.70	257.96	258.23	258.27	258.99	259.91	259.93	258.32	258.06	257.89	257.87	257.83	259.93
MIN	257.64	257.63	257.74	257.75	258.17	258.10	258.24	258.08	257.86	257.82	257.79	257.77	257.63

ANNUAL MAX MOMENTARY GAGE HEIGHT 260.42 M (MSL), AT 18.00 HOURS, ON SEP 5, 1983
ZERO GAGE AT BOTTOM ELEVATION 257.67 M (MSL), RIVER BED 257.60 M (MSL)
LEFT BANK ELEVATION 262.25 M (MSL)
RIGHT BANK ELEVATION 262.19 M (MSL), DRAINAGE AREA 649 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.01	0.00	0.16	0.07	4.26	32.92	8.59	2.12	1.00	0.28	0.12	0.16	
2	0.01	0.00	0.12	0.07	2.12	15.40	5.09	2.20	0.95	0.28	0.10	0.14	
3	0.01	0.00	0.07	0.07	6.56	13.79	3.10	2.12	0.80	0.28	0.10	0.14	
4	0.01	0.00	0.07	0.07	3.93	12.26	25.02	1.96	0.70	0.26	0.09	0.14	
5	0.01	0.00	0.06	0.07	2.90	37.80	41.58	1.88	0.66	0.26	0.09	0.12	
6	0.01	0.00	0.06	0.07	2.12	42.47	13.56	1.62	0.62	0.24	0.10	0.10	
7	0.01	0.00	0.05	0.07	1.74	15.92	7.26	1.50	0.62	0.24	0.10	0.10	
8	0.01	0.00	0.07	0.06	2.44	15.66	5.35	1.44	0.62	0.22	0.10	0.10	
9	0.01	0.00	0.06	0.07	3.50	7.40	4.48	1.50	0.58	0.20	0.10	0.10	
10	0.01	0.00	0.07	0.07	3.50	6.14	3.30	1.62	0.54	0.18	0.10	0.10	
11	0.01	0.00	0.09	0.07	12.89	19.96	2.80	1.88	0.50	0.16	0.10	0.10	
12	0.01	0.00	0.12	0.07	5.48	13.10	2.60	1.68	0.42	0.16	0.10	0.10	
13	0.01	0.00	0.34	0.06	5.48	6.98	2.44	2.04	0.30	0.16	0.10	0.10	
14	0.01	0.00	1.20	0.07	4.70	34.76	2.28	2.80	0.22	0.18	0.10	0.14	
15	0.01	0.00	2.04	0.06	3.71	37.42	2.20	2.44	0.22	0.18	0.10	0.14	
16	0.01	0.00	0.70	0.06	3.50	37.80	18.56	1.88	0.22	0.18	0.18	0.14	
17	0.01	0.00	0.46	0.16	3.10	8.42	43.41	2.12	0.22	0.18	0.20	0.12	
18	0.02	0.00	0.26	0.12	2.52	6.98	15.92	1.96	0.22	0.20	0.20	0.10	
19	0.02	0.00	0.22	0.10	1.88	5.22	11.00	1.96	0.22	0.20	0.24	0.08	
20	0.02	0.00	0.16	0.14	1.88	6.28	9.29	1.80	0.22	0.22	0.24	0.08	
21	0.02	0.00	0.12	0.09	1.62	7.91	7.74	1.62	0.24	0.20	0.20	0.08	
22	0.02	0.00	0.09	0.12	5.22	5.61	5.35	1.56	0.26	0.18	0.18	0.08	
23	0.02	0.00	0.08	0.12	4.83	4.04	4.26	1.50	0.26	0.16	0.18	0.08	
24	0.02	0.00	0.08	0.10	4.04	3.30	3.82	1.44	0.26	0.16	0.18	0.08	
25	0.02	0.00	0.09	0.10	3.30	2.60	3.20	1.38	0.26	0.14	0.18	0.08	
26	0.01	0.02	0.08	2.36	3.60	1.88	2.90	1.32	0.26	0.16	0.18	0.08	
27	0.01	0.02	0.08	1.56	4.04	1.56	2.44	1.20	0.26	0.16	0.18	0.08	
28	0.00	0.12	0.07	1.26	3.93	1.38	2.20	1.15	0.28	0.16	0.18	0.08	
29	0.00	0.54	0.08	1.50	3.50	1.20	2.44	1.10	0.28	0.16	0.18	0.08	
30	0.00	0.22	0.08	1.44	5.22	1.96	2.20	1.10	0.28	0.14		0.08	
31		0.16		1.62	8.76		2.12		0.28	0.14		0.08	
TOTAL	0.35	1.08	7.23	11.87	126.27	408.12	266.50	51.89	12.77	6.02	4.20	3.18	899.48 CMSDAY
MEAN	0.01	0.03	0.24	0.38	4.07	13.60	8.60	1.73	0.41	0.19	0.14	0.10	2.46 CMS
MAX	0.02	0.54	2.04	2.36	12.89	42.47	43.41	2.80	1.00	0.28	0.24	0.16	43.41 CMS
MIN	0.00	0.00	0.05	0.06	1.62	1.20	2.12	1.10	0.22	0.14	0.09	0.08	0.00 CMS
RUNOFF	0.030	0.093	0.625	1.026	10.910	35.262	23.026	4.483	1.103	0.520	0.363	0.275	77.715 MCM

MOMENTARY PEAK 69.48 CMS, AT 260.42 M (MSL), AT 18.00 HOURS, ON SEP 5, 1983

RUNOFF YIELD 3.79 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 107.06 LITERS/SECOND/SQUARE KM

W.15A 19830301 1.31 1.53 1.03 0.80 1.08 0.83 0.81 0.81 0.74 0.74 DATA ERROR

WATER YEAR 1983

WANG RIVER BASIN

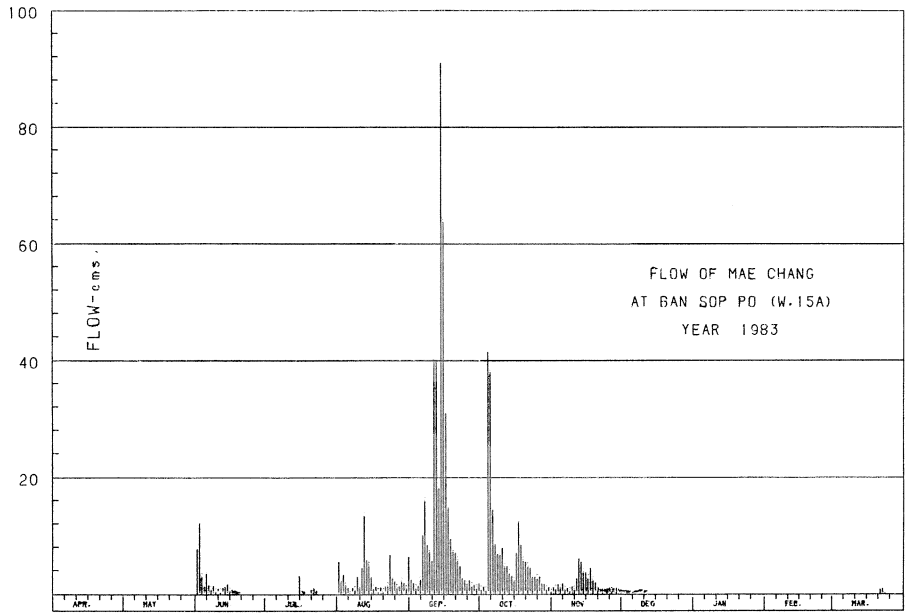
NAM MAE CHANG AT BAN SOP PO, LAMPANG (W.15A)

LOCATION	LAT. 18°-08'-08" N., LONG. 99°-34'-58" E., ON RIGHT BANK ABOUT 1.5 KILOMETERS UPSTREAM FROM BAN SOP PO, AMPHOE MAE THA, LAMPANG.
DRAINAGE AREA	1,103 SQ.KM.
TYPE OF GAGE	WATER-STAGE RECORDER.
ZERO GAGE AT BOTTOM	+240.120 M. (M.S.L.)
BENCH MARK	B.M.-H.D.
LOCATION	INFRONT OF THE STATION OFFICE.
ELEVATION	+251.685 M.(M.S.L.)
GAGE READING FREQUENCY	RECORDING.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 24 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1972 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1972-1974, 1980 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1972-1974, 1980 TO DATE.
STABILITY OF CHANNEL REGIMES	STABLE.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS POOR. NO RECORDS ON APR.1-MAY 31, 1983. STAGE-DISCHARGE RELATION DEFINED BY 26 DISCHARGE MEASUREMENTS MADE IN 1983.

GAGE HEIGHT IN METER (MSL), WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	*******	*******	241.43	240.63	241.29	241.11	240.93	240.89	240.78	240.65	240.57	240.50	
2	*******	*******	241.65	240.62	241.08	240.99	240.91	240.94	240.78	240.64	240.57	240.52	
3	*******	*******	241.15	240.60	241.13	240.96	240.91	240.96	240.77	240.64	240.56	240.53	
4	*******	*******	240.92	240.60	241.00	240.93	242.51	240.96	240.76	240.64	240.54	240.54	
5	*******	*******	241.20	240.55	240.88	241.10	242.44	240.98	240.76	240.64	240.54	240.53	
6	*******	*******	240.95	240.57	240.76	241.55	241.74	240.92	240.73	240.64	240.54	240.52	
7	*******	*******	240.93	240.57	240.88	241.82	241.49	240.87	240.75	240.66	240.53	240.55	
8	*******	*******	240.93	240.58	240.92	241.46	241.37	240.89	240.76	240.69	240.53	240.54	
9	*******	*******	240.86	240.65	241.10	241.43	241.40	240.92	240.75	240.69	240.52	240.55	
10	*******	*******	240.86	240.61	240.96	241.30	241.43	240.92	240.75	240.68	240.53	240.53	
11	*******	*******	240.86	240.64	241.22	242.48	241.27	241.07	240.74	240.67	240.51	240.51	
12	*******	*******	240.89	240.65	241.72	242.48	241.24	241.36	240.74	240.66	240.51	240.50	
13	*******	*******	241.00	240.62	241.31	241.90	241.20	241.29	240.73	240.63	240.53	240.48	
14	*******	*******	240.97	240.63	241.29	243.37	241.11	241.21	240.73	240.63	240.54	240.48	
15	*******	*******	240.88	241.13	241.09	242.94	241.09	241.16	240.71	240.63	240.56	240.48	
16	*******	*******	240.82	240.78	240.95	242.26	241.38	241.13	240.70	240.63	240.56	240.48	
17	*******	*******	240.79	240.70	240.91	241.77	241.68	241.22	240.70	240.61	240.55	240.48	
18	*******	*******	240.76	240.67	240.87	241.52	241.46	241.10	240.72	240.60	240.53	240.48	
19	*******	*******	240.74	240.64	240.90	241.43	241.34	241.00	240.70	240.60	240.51	240.48	
20	*******	*******	240.71	240.82	240.87	241.38	241.29	240.91	240.69	240.60	240.51	240.51	
21	*******	*******	240.69	240.87	240.92	241.34	241.28	240.84	240.69	240.59	240.50	240.86	
22	*******	*******	240.66	240.74	241.00	241.24	241.22	240.84	240.69	240.58	240.50	240.86	
23	*******	*******	240.66	240.70	241.36	241.13	241.15	240.84	240.67	240.59	240.50	240.65	
24	*******	*******	240.65	240.67	241.13	241.04	241.10	240.85	240.66	240.60	240.49	240.61	
25	*******	*******	240.65	240.65	241.02	241.05	241.13	240.89	240.67	240.60	240.48	240.58	
26	*******	*******	240.63	240.62	240.96	241.04	241.10	240.88	240.68	240.59	240.48	240.55	
27	*******	*******	240.62	240.60	240.92	241.00	241.05	240.87	240.67	240.58	240.48	240.52	
28	*******	*******	240.62	240.59	241.08	240.95	240.97	240.86	240.67	240.58	240.48	240.51	
29	*******	*******	240.62	240.58	240.99	240.95	240.93	240.84	240.66	240.58	240.48	240.50	
30	*******	*******	240.63	240.55	240.94	240.98	240.90	240.81	240.66	240.58		240.49	
31		*******		240.56	241.34		240.88		240.67	240.58		240.48	
MEAN	*******	*******	240.86	240.66	241.06	241.50	241.29	240.97	240.71	240.62	240.52	240.54	
MAX	*******	*******	241.65	241.13	241.72	243.37	242.51	241.36	240.78	240.69	240.57	240.86	243.37
MIN	*******	*******	240.62	240.55	240.76	240.93	240.88	240.81	240.66	240.58	240.48	240.48	*******

ANNUAL MAX MOMENTARY GAGE HEIGHT 243.67 M (MSL), AT 17.00 HOURS, ON SEP 14, 1983
ZERO GAGE AT BOTTOM ELEVATION 240.12 M (MSL), RIVER BED 239.93 M (MSL)
LEFT BANK ELEVATION 249.79 M (MSL)
RIGHT BANK ELEVATION 251.61 M (MSL), DRAINAGE AREA 1103 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	*******	*******	7.91	0.07	5.55	3.12	1.44	1.15	0.61	0.12	0.00	0.00	
2	*******	*******	12.20	0.05	2.80	1.92	1.28	1.52	0.61	0.10	0.00	0.00	
3	*******	*******	3.60	0.00	3.36	1.68	1.28	1.68	0.56	0.10	0.00	0.00	
4	*******	*******	1.36	0.00	2.00	1.44	41.47	1.68	0.52	0.10	0.00	0.00	
5	*******	*******	4.20	0.00	1.10	3.00	38.36	1.84	0.52	0.10	0.00	0.00	
6	*******	*******	1.60	0.00	0.52	10.05	14.44	1.36	0.38	0.10	0.00	0.00	
7	*******	*******	1.44	0.00	1.10	16.52	8.93	1.05	0.48	0.15	0.00	0.00	
8	*******	*******	1.44	0.00	1.36	8.42	6.89	1.15	0.52	0.23	0.00	0.00	
9	*******	*******	1.00	0.12	3.00	7.91	7.40	1.36	0.48	0.23	0.00	0.00	
10	*******	*******	1.00	0.02	1.68	5.70	7.91	1.36	0.48	0.20	0.00	0.00	
11	*******	*******	1.00	0.10	4.50	40.12	5.25	2.70	0.43	0.17	0.00	0.00	
12	*******	*******	1.15	0.12	13.92	40.12	4.80	6.72	0.43	0.15	0.00	0.00	
13	*******	*******	2.00	0.05	5.87	18.60	4.20	5.55	0.38	0.07	0.00	0.00	
14	*******	*******	1.76	0.07	5.55	91.02	3.12	4.35	0.38	0.07	0.00	0.00	
15	*******	*******	1.10	3.36	2.90	64.16	2.90	3.72	0.29	0.07	0.00	0.00	
16	*******	*******	0.80	0.61	1.60	30.92	7.06	3.36	0.25	0.07	0.00	0.00	
17	*******	*******	0.65	0.25	1.28	15.22	12.92	4.50	0.25	0.02	0.00	0.00	
18	*******	*******	0.52	0.17	1.05	9.48	8.42	3.00	0.34	0.00	0.00	0.00	
19	*******	*******	0.43	0.10	1.20	7.91	6.38	2.00	0.25	0.00	0.00	0.00	
20	*******	*******	0.29	0.80	1.05	7.06	5.55	1.28	0.23	0.00	0.00	0.00	
21	*******	*******	0.23	1.05	1.36	6.38	5.40	0.90	0.23	0.00	0.00	1.00	
22	*******	*******	0.15	0.43	2.00	4.80	4.50	0.90	0.23	0.00	0.00	1.00	
23	*******	*******	0.15	0.25	6.72	3.36	3.60	0.90	0.17	0.00	0.00	0.12	
24	*******	*******	0.12	0.17	3.36	2.40	3.00	0.95	0.15	0.00	0.00	0.02	
25	*******	*******	0.12	0.12	2.20	2.50	3.36	1.15	0.17	0.00	0.00	0.00	
26	*******	*******	0.07	0.05	1.68	2.40	3.00	1.10	0.20	0.00	0.00	0.00	
27	*******	*******	0.05	0.00	1.36	2.00	2.50	1.05	0.17	0.00	0.00	0.00	
28	*******	*******	0.05	0.00	2.80	1.60	1.76	1.00	0.17	0.00	0.00	0.00	
29	*******	*******	0.05	0.00	1.92	1.60	1.44	0.90	0.15	0.00	0.00	0.00	
30	*******	*******	0.07	0.00	1.52	1.84	1.20	0.75	0.15	0.00		0.00	
31		*******		0.00	6.38		1.10		0.17	0.00		0.00	
TOTAL	*******	*******	46.51	7.96	92.69	413.25	220.86	60.93	10.35	2.05	0.00	2.14	******** CMSDAY
MEAN	*******	*******	1.55	0.26	2.99	13.78	7.12	2.03	0.33	0.07	0.00	0.07	******** CMS
MAX	*******	*******	12.20	3.36	13.92	91.02	41.47	6.72	0.61	0.23	0.00	1.00	91.02 CMS
MIN	*******	*******	0.05	0.00	0.52	1.44	1.10	0.75	0.15	0.00	0.00	0.00	******** CMS
RUNOFF	*******	*******	4.018	0.688	8.008	35.705	19.082	5.264	0.894	0.177	0.000	0.185	******** MCM

MOMENTARY PEAK 112.04 CMS, AT 243.67 M (MSL), AT 17.00 HOURS, ON SEP 14, 1983

RUNOFF YIELD ********* LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 101.58 LITERS/SECOND/SQUARE KM

WATER YEAR 1983

WANG RIVER BASIN

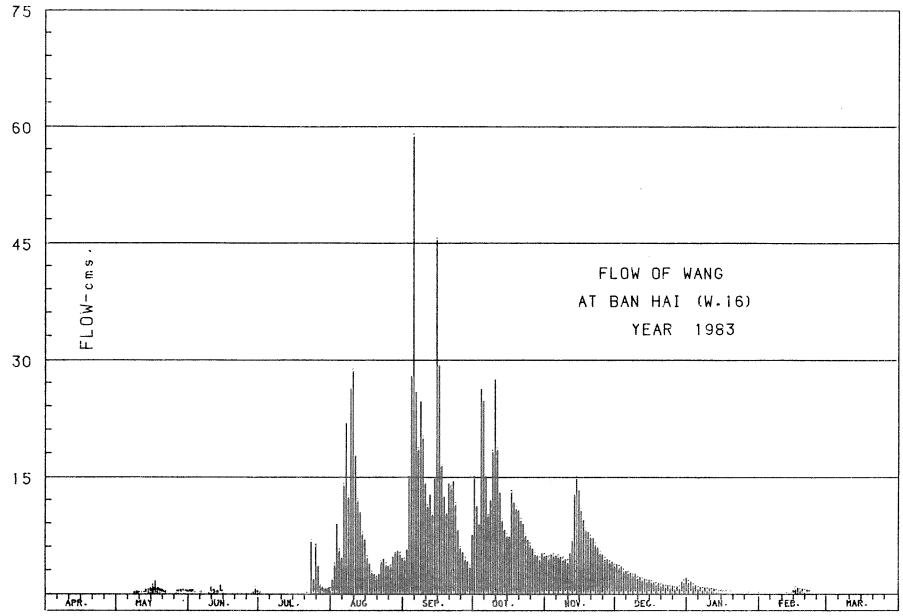
WANG RIVER AT BAN HAI, LAMPANG (W.16)

LOCATION	LAT. 18°-48'-12" N., LONG. 99°-38'-45" E., ON RIGHT BANK AT BAN HAI, AMPHOE CHAE HOM LAMPANG.
DRAINAGE AREA	1,284 SQ.KM.
TYPE OF GAGE	WATER-STAGE RECORDER.
ZERO GAGE AT BOTTOM	+0.00 M. (A.D.)
BENCH MARK	B.M.-H.D.
LOCATION	NEAR THE AUTOMATIC GAGE BUILDING.
ELEVATION	+7.676 M. (A.D.)
GAGE READING FREQUENCY	RECORDING.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 24 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1971 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1971 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1971 TO DATE.
STABILITY OF CHANNEL REGIMES	STABLE.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS GOOD. STAGE-DISCHARGE RELATION DEFINED BY 139 DISCHARGE MEASUREMENTS MADE IN 1983.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.27	0.22	0.40	0.36	0.59	0.81	1.27	0.83	0.76	0.59	0.34	0.28	
2	0.27	0.23	0.41	0.33	0.77	0.88	1.13	0.83	0.75	0.57	0.33	0.27	
3	0.26	0.21	0.36	0.30	1.04	1.27	1.05	0.84	0.74	0.54	0.33	0.26	
4	0.26	0.21	0.34	0.30	0.89	1.61	1.57	0.85	0.72	0.52	0.33	0.26	
5	0.26	0.21	0.32	0.29	0.81	2.20	1.54	0.83	0.70	0.50	0.33	0.26	
6	0.25	0.20	0.32	0.28	1.24	1.56	1.27	0.84	0.70	0.49	0.33	0.26	
7	0.25	0.23	0.35	0.28	1.46	1.38	1.09	0.82	0.68	0.48	0.33	0.26	
8	0.25	0.41	0.33	0.26	1.19	1.53	1.16	0.82	0.67	0.48	0.32	0.25	
9	0.25	0.39	0.42	0.26	1.57	1.42	1.37	0.80	0.67	0.47	0.32	0.25	
10	0.25	0.37	0.49	0.26	1.63	1.24	1.60	0.80	0.64	0.46	0.32	0.24	
11	0.25	0.37	0.43	0.27	1.35	1.14	1.38	0.85	0.63	0.46	0.33	0.24	
12	0.24	0.36	0.39	0.26	1.17	1.19	1.20	0.96	0.62	0.45	0.32	0.24	
13	0.23	0.44	0.38	0.26	1.10	1.10	1.07	1.19	0.61	0.44	0.32	0.24	
14	0.23	0.44	0.52	0.28	1.00	1.26	1.01	1.27	0.60	0.42	0.34	0.23	
15	0.22	0.47	0.43	0.29	0.95	1.97	0.99	1.21	0.60	0.42	0.42	0.23	
16	0.21	0.53	0.35	0.28	0.83	1.64	0.97	1.12	0.59	0.41	0.50	0.23	
17	0.21	0.58	0.32	0.28	0.76	1.32	1.21	1.06	0.56	0.41	0.47	0.23	
18	0.20	0.47	0.31	0.28	0.70	1.18	1.15	1.02	0.56	0.40	0.46	0.22	
19	0.21	0.44	0.31	0.28	0.66	1.11	1.13	1.00	0.55	0.40	0.45	0.22	
20	0.22	0.41	0.32	0.34	0.64	1.24	1.11	0.98	0.54	0.39	0.44	0.22	
21	0.22	0.38	0.30	0.33	0.66	1.23	1.07	0.96	0.53	0.39	0.43	0.22	
22	0.24	0.36	0.28	0.34	0.79	1.25	1.04	0.93	0.52	0.38	0.41	0.21	
23	0.24	0.37	0.28	0.95	0.80	1.15	0.99	0.90	0.52	0.37	0.37	0.21	
24	0.24	0.35	0.29	0.60	0.77	1.01	0.95	0.87	0.51	0.37	0.33	0.21	
25	0.23	0.34	0.30	0.92	0.74	0.91	0.93	0.84	0.51	0.36	0.32	0.21	
26	0.25	0.42	0.30	0.74	0.75	0.86	0.89	0.82	0.50	0.36	0.31	0.21	
27	0.25	0.42	0.30	0.52	0.82	0.82	0.86	0.80	0.50	0.35	0.30	0.20	
28	0.25	0.42	0.36	0.46	0.88	0.78	0.83	0.79	0.51	0.34	0.29	0.20	
29	0.24	0.44	0.50	0.45	0.87	0.75	0.82	0.78	0.57	0.34	0.28	0.20	
30	0.24	0.42	0.41	0.42	0.86	0.98	0.85	0.76	0.60	0.35		0.20	
31		0.39		0.47	0.81		0.85		0.62	0.34		0.20	
MEAN	0.24	0.37	0.36	0.39	0.94	1.23	1.11	0.91	0.61	0.43	0.36	0.23	
MAX	0.27	0.58	0.52	0.95	1.63	2.20	1.60	1.27	0.76	0.59	0.50	0.28	2.20
MIN	0.20	0.20	0.28	0.26	0.59	0.75	0.82	0.76	0.50	0.34	0.28	0.20	0.20

ANNUAL MAX MOMENTARY GAGE HEIGHT 3.06 M (A.D), AT 8.00 HOURS, ON SEP 5, 1983
ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D), RIVER BED -0.19 M (A.D)
LEFT BANK ELEVATION 9.01 M (A.D)
RIGHT BANK ELEVATION 7.71 M (A.D), DRAINAGE AREA 1284 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.07	0.02	0.40	0.28	1.81	4.65	15.10	4.95	3.90	1.81	0.22	0.08	
2	0.07	0.03	0.46	0.19	4.05	5.70	11.25	4.95	3.75	1.63	0.19	0.07	
3	0.06	0.01	0.28	0.10	9.00	15.10	9.25	5.10	3.60	1.36	0.19	0.06	
4	0.06	0.01	0.22	0.10	5.85	27.95	26.30	5.25	3.30	1.18	0.19	0.06	
5	0.06	0.01	0.16	0.09	4.65	59.00	25.10	4.95	3.00	1.00	0.19	0.06	
6	0.05	0.00	0.16	0.08	14.20	25.90	15.10	5.10	3.00	0.94	0.19	0.06	
7	0.05	0.03	0.25	0.08	21.90	18.80	10.25	4.80	2.78	0.88	0.19	0.06	
8	0.05	0.46	0.19	0.06	12.75	24.70	12.00	4.80	2.67	0.88	0.16	0.05	
9	0.05	0.37	0.52	0.06	26.30	20.30	18.45	4.50	2.67	0.82	0.16	0.05	
10	0.05	0.31	0.94	0.06	28.85	14.20	27.50	4.50	2.34	0.76	0.16	0.04	
11	0.05	0.31	0.58	0.07	17.75	11.50	18.80	5.25	2.23	0.76	0.19	0.04	
12	0.04	0.28	0.37	0.06	12.25	12.75	13.00	7.20	2.12	0.70	0.16	0.04	
13	0.03	0.64	0.34	0.06	10.50	10.50	9.75	12.75	2.01	0.64	0.16	0.04	
14	0.03	0.64	1.18	0.08	8.00	14.80	8.25	15.10	1.90	0.52	0.22	0.03	
15	0.02	0.82	0.58	0.09	7.00	45.65	7.80	13.30	1.90	0.52	0.52	0.03	
16	0.01	1.27	0.25	0.08	4.95	29.30	7.40	11.00	1.81	0.46	1.00	0.03	
17	0.01	1.72	0.16	0.08	3.90	16.70	13.30	9.50	1.54	0.46	0.82	0.03	
18	0.00	0.82	0.13	0.08	3.00	12.50	11.75	8.50	1.54	0.40	0.76	0.02	
19	0.01	0.64	0.13	0.08	2.56	10.75	11.25	8.00	1.45	0.40	0.70	0.02	
20	0.02	0.46	0.16	0.22	2.34	14.20	10.75	7.60	1.36	0.37	0.64	0.02	
21	0.02	0.34	0.10	0.19	2.56	13.90	9.75	7.20	1.27	0.37	0.58	0.02	
22	0.04	0.28	0.08	0.22	4.35	14.50	9.00	6.60	1.18	0.34	0.46	0.01	
23	0.04	0.31	0.08	7.00	4.50	11.75	7.80	6.00	1.18	0.31	0.31	0.01	
24	0.04	0.25	0.09	1.90	4.05	8.25	7.00	5.55	1.09	0.31	0.19	0.01	
25	0.03	0.22	0.10	6.40	3.60	6.20	6.60	5.10	1.09	0.28	0.16	0.01	
26	0.05	0.52	0.10	3.60	3.75	5.40	5.85	4.80	1.00	0.28	0.13	0.01	
27	0.05	0.52	0.10	1.18	4.80	4.80	5.40	4.50	1.00	0.25	0.10	0.00	
28	0.05	0.52	0.28	0.76	5.70	4.20	4.95	4.35	1.09	0.22	0.09	0.00	
29	0.04	0.64	1.00	0.70	5.55	3.75	4.80	4.20	1.63	0.22	0.08	0.00	
30	0.04	0.52	0.46	0.52	5.40	7.60	5.25	3.90	1.90	0.25		0.00	
31		0.37		0.82	4.65		5.25		2.12	0.22		0.00	
TOTAL	1.19	13.34	9.85	25.29	250.52	475.30	354.00	199.30	63.42	19.54	9.11	0.96	1421.82 CMSDAY
MEAN	0.04	0.43	0.33	0.82	8.08	15.84	11.42	6.64	2.05	0.63	0.31	0.03	3.88 CMS
MAX	0.07	1.72	1.18	7.00	28.85	59.00	27.50	15.10	3.90	1.81	1.00	0.08	59.00 CMS
MIN	0.00	0.00	0.08	0.06	1.81	3.75	4.80	3.90	1.00	0.22	0.08	0.00	0.00 CMS
RUNOFF	0.103	1.153	0.851	2.185	21.645	41.066	30.586	17.220	5.479	1.688	0.787	0.083	122.845 MCM

MOMENTARY PEAK 120.00 CMS, AT 3.06 M (A.D), AT 8.00 HOURS, ON SEP 5, 1983

RUNOFF YIELD 3.03 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 93.46 LITERS/SECOND/SQUARE KM

WATER YEAR 1983

WANG RIVER BASIN

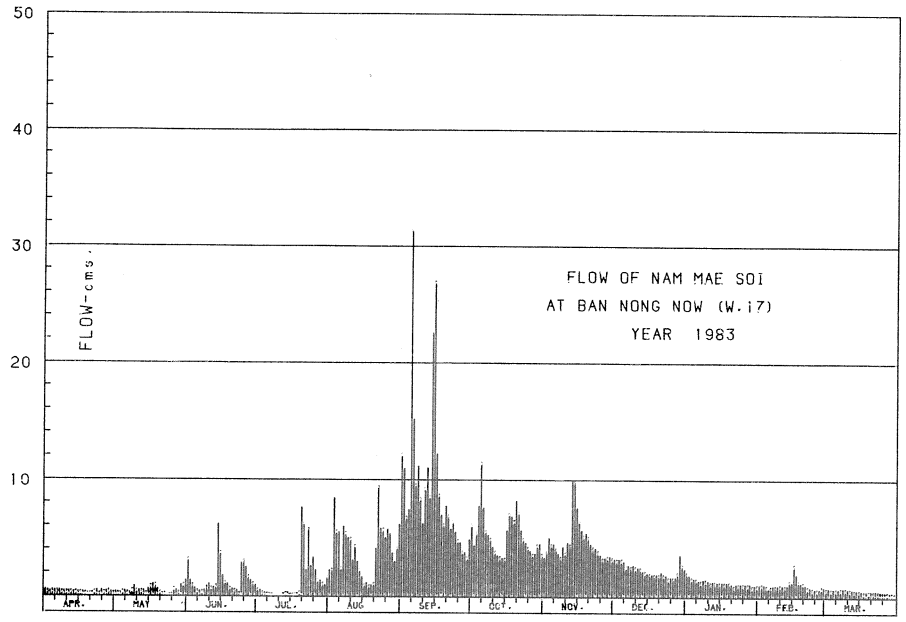
NAM MAE SOI AT BAN NONG NOW, LAMPANG (W.17)

LOCATION	LAT. 18°-43'-16" N., LONG 99°-34'-12" E., ON RIGHT BANK AT THE BRIDGE OF LAMPANG-WANG NUA ROAD, BAN NONG NOW, TAMBON CHAE HOM, AMPHOE CHAE HOM, LAMPANG.
DRAINAGE AREA	619 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM	+292.00 M.(M.S.L.)
BENCH MARK	B.M.-H.D.
LOCATION	ABOUT 21 METERS FROM THE TOP OF STAFF GAGE.
ELEVATION	+295.790 M.(M.S.L.)
GAGE READING FREQUENCY	5-TIME DAILY READINGS AT 06.00, 09.00, 12.00, 15.00 AND 18.00 HOURS.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 5 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1980 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1980 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1980 TO DATE.
STABILITY OF CHANNEL REGIMES	FAIRLY STABLE.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS FAIR. STAGE-DISCHARGE RELATION DEFINED BY 24 DISCHARGE MEASUREMENTS MADE IN 1983.

GAGE HEIGHT IN METER (MSL), WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	292.27	292.24	292.52	292.28	292.44	293.02	292.63	292.40	292.39	292.28	292.15	292.11	
2	292.26	292.23	292.36	292.26	292.45	292.95	292.49	292.45	292.39	292.25	292.16	292.11	
3	292.25	292.23	292.33	292.24	292.83	292.75	292.58	292.54	292.39	292.23	292.15	292.10	
4	292.26	292.25	292.29	292.23	292.68	292.78	292.73	292.50	292.39	292.22	292.14	292.10	
5	292.26	292.25	292.26	292.22	292.67	293.86	292.96	292.50	292.37	292.22	292.10	292.10	
6	292.26	292.24	292.25	292.22	292.46	293.15	292.72	292.47	292.34	292.20	292.13	292.10	
7	292.26	292.23	292.25	292.21	292.70	292.85	292.59	292.43	292.34	292.20	292.14	292.11	
8	292.25	292.27	292.26	292.20	292.67	292.94	292.56	292.41	292.33	292.21	292.14	292.11	
9	292.25	292.31	292.31	292.19	292.64	292.78	292.54	292.48	292.34	292.21	292.14	292.11	
10	292.25	292.27	292.33	292.19	292.64	292.63	292.48	292.44	292.33	292.20	292.15	292.10	
11	292.25	292.26	292.30	292.19	292.51	292.83	292.45	292.51	292.32	292.18	292.14	292.10	
12	292.25	292.26	292.30	292.22	292.60	292.93	292.42	292.50	292.32	292.19	292.14	292.09	
13	292.24	292.26	292.32	292.23	292.50	292.79	292.41	292.87	292.29	292.19	292.14	292.08	
14	292.25	292.23	292.71	292.23	292.45	293.49	292.40	292.87	292.29	292.18	292.20	292.08	
15	292.24	292.28	292.56	292.21	292.39	293.68	292.40	292.72	292.27	292.18	292.18	292.08	
16	292.24	292.32	292.40	292.21	292.33	293.00	292.59	292.65	292.27	292.18	292.35	292.07	
17	292.24	292.33	292.35	292.21	292.34	292.80	292.69	292.59	292.26	292.18	292.26	292.06	
18	292.23	292.33	292.33	292.22	292.32	292.68	292.67	292.56	292.26	292.18	292.20	292.06	
19	292.22	292.28	292.30	292.24	292.32	292.63	292.65	292.57	292.26	292.18	292.17	292.07	
20	292.22	292.24	292.28	292.79	292.34	292.73	292.76	292.55	292.26	292.16	292.18	292.07	
21	292.23	292.22	292.27	292.72	292.58	292.68	292.70	292.50	292.28	292.14	292.15	292.06	
22	292.25	292.22	292.26	292.44	292.88	292.60	292.59	292.48	292.26	292.16	292.13	292.07	
23	292.26	292.21	292.23	292.69	292.69	292.65	292.54	292.47	292.25	292.16	292.12	292.06	
24	292.22	292.20	292.49	292.47	292.69	292.58	292.51	292.45	292.23	292.16	292.11	292.06	
25	292.26	292.21	292.51	292.54	292.64	292.53	292.48	292.42	292.23	292.16	292.10	292.05	
26	292.24	292.29	292.46	292.44	292.70	292.51	292.45	292.40	292.23	292.16	292.10	292.05	
27	292.25	292.26	292.40	292.37	292.66	292.45	292.43	292.40	292.23	292.16	292.10	292.05	
28	292.26	292.24	292.36	292.36	292.57	292.44	292.43	292.41	292.28	292.16	292.13	292.04	
29	292.24	292.32	292.34	292.34	292.50	292.41	292.50	292.41	292.42	292.14	292.12	292.04	
30	292.23	292.33	292.32	292.32	292.59	292.53	292.50	292.40	292.35	292.14		292.03	
31		292.36		292.40	292.71		292.43		292.31	292.15		292.03	
MEAN	292.25	292.26	292.36	292.33	292.56	292.82	292.56	292.51	292.31	292.18	292.15	292.08	
MAX	292.27	292.36	292.71	292.79	292.88	293.86	292.96	292.87	292.42	292.28	292.35	292.11	293.86
MIN	292.22	292.20	292.23	292.19	292.32	292.41	292.40	292.40	292.23	292.14	292.10	292.03	292.03

ANNUAL MAX MOMENTARY GAGE HEIGHT 294.05 M (MSL), AT 12.00 HOURS, ON SEP 5, 1983
ZERO GAGE AT BOTTOM ELEVATION 292.00 M (MSL), RIVER BED 291.67 M (MSL)
LEFT BANK ELEVATION 296.71 M (MSL)
RIGHT BANK ELEVATION 296.39 M (MSL), DRAINAGE AREA 619 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.62	0.44	3.28	0.68	2.28	12.25	6.25	3.33	3.23	2.11	1.05	0.77	
2	0.56	0.38	1.40	0.56	2.40	10.95	4.38	3.92	3.23	1.85	1.12	0.77	
3	0.50	0.38	1.10	0.44	8.43	6.90	5.54	5.02	3.23	1.67	1.05	0.70	
4	0.56	0.50	0.74	0.38	5.68	7.44	7.75	4.50	3.23	1.58	0.98	0.70	
5	0.56	0.50	0.56	0.32	5.52	31.50	11.53	4.50	3.02	1.58	0.70	0.70	
6	0.56	0.44	0.50	0.32	2.52	15.20	7.60	4.15	2.71	1.40	0.91	0.70	
7	0.56	0.38	0.50	0.26	6.00	9.65	5.67	3.68	2.71	1.40	0.98	0.77	
8	0.50	0.62	0.56	0.20	5.52	11.18	5.28	3.45	2.60	1.49	0.98	0.77	
9	0.50	0.90	0.90	0.18	5.04	8.50	5.02	4.27	2.71	1.49	0.98	0.77	
10	0.50	0.62	1.10	0.18	5.04	6.25	4.27	3.80	2.60	1.40	1.05	0.70	
11	0.50	0.56	0.80	0.18	3.14	9.31	3.92	4.63	2.50	1.26	0.98	0.70	
12	0.50	0.56	0.80	0.32	4.40	11.01	3.56	4.50	2.50	1.33	0.98	0.65	
13	0.44	0.56	1.00	0.38	3.00	8.65	3.45	9.98	2.20	1.33	0.98	0.60	
14	0.50	0.38	6.18	0.38	2.40	22.57	3.33	9.98	2.20	1.26	1.40	0.60	
15	0.44	0.68	3.84	0.26	1.70	27.02	3.33	7.60	2.02	1.26	1.26	0.60	
16	0.44	1.00	1.80	0.26	1.10	12.22	5.67	6.55	2.02	1.26	2.81	0.55	
17	0.44	1.10	1.30	0.26	1.20	8.80	7.15	5.67	1.93	1.26	1.93	0.50	
18	0.38	1.10	1.10	0.32	1.00	7.00	6.85	5.28	1.93	1.26	1.40	0.50	
19	0.32	0.68	0.80	0.44	1.00	6.25	6.55	5.41	1.93	1.26	1.19	0.55	
20	0.32	0.44	0.68	7.62	1.20	7.75	8.20	5.15	1.93	1.12	1.26	0.55	
21	0.38	0.32	0.62	6.36	4.12	7.00	7.30	4.50	2.11	0.98	1.05	0.50	
22	0.50	0.32	0.56	2.28	9.47	5.80	5.67	4.27	1.93	1.12	0.91	0.55	
23	0.56	0.26	0.38	5.84	5.84	6.55	5.02	4.15	1.85	1.12	0.84	0.50	
24	0.32	0.20	2.88	2.64	5.84	5.54	4.63	3.92	1.67	1.12	0.77	0.50	
25	0.56	0.26	3.14	3.56	5.04	4.89	4.27	3.56	1.67	1.12	0.70	0.45	
26	0.44	0.74	2.52	2.28	6.00	4.63	3.92	3.33	1.67	1.12	0.70	0.45	
27	0.50	0.56	1.80	1.50	5.36	3.92	3.68	3.33	1.67	1.12	0.70	0.45	
28	0.56	0.44	1.40	1.40	3.98	3.80	3.68	3.45	2.11	1.12	0.91	0.40	
29	0.44	1.00	1.20	1.20	3.00	3.45	4.50	3.45	3.56	0.98	0.84	0.40	
30	0.38	1.10	1.00	1.00	4.26	4.89	4.50	3.33	2.81	0.98		0.35	
31		1.40		1.80	6.18		3.68		2.39	1.05		0.35	
TOTAL	14.34	18.82	44.44	43.80	127.66	290.87	166.15	142.66	73.87	40.40	31.41	18.05	1012.47 CMSDAY
MEAN	0.48	0.61	1.48	1.41	4.12	9.70	5.36	4.76	2.38	1.30	1.08	0.58	2.77 CMS
MAX	0.62	1.40	6.18	7.62	9.47	31.50	11.53	9.98	3.56	2.11	2.81	0.77	31.50 CMS
MIN	0.32	0.20	0.38	0.18	1.00	3.45	3.33	3.33	1.67	0.98	0.70	0.35	0.18 CMS
RUNOFF	1.239	1.626	3.840	3.784	11.030	25.131	14.355	12.326	6.382	3.491	2.714	1.560	87.477 MCM

MOMENTARY PEAK 36.30 CMS, AT 294.05 M (MSL), AT 12.00 HOURS, ON SEP 5, 1983

RUNOFF YIELD 4.47 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 58.64 LITERS/SECOND/SQUARE KM

WATER YEAR 1983

YOM RIVER BASIN

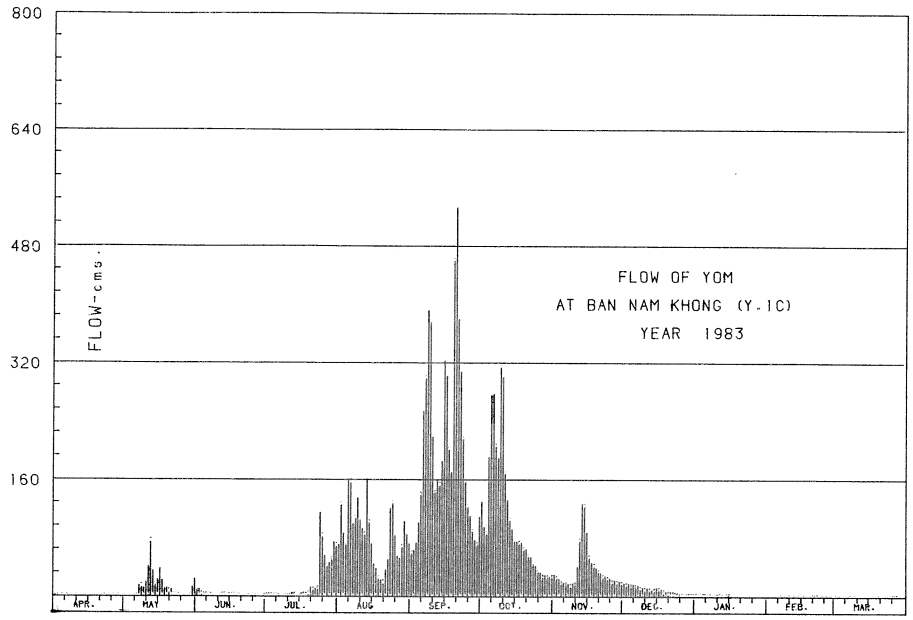
YOM RIVER AT BAN NAM KHONG, PHRAE (Y.1C)

LOCATION	LAT. 18°-07'-59" N., LONG. 100°-07'-39" E., ON RIGHT BANK ABOUT 5 METERS DOWNSTREAM FROM PHATHANA PHAK NUA 8 BRIDGE AT TAMBON PA MAT, AMPHOE MUANG, PHRAE.
DRAINAGE AREA	7,624 SQ.KM.
TYPE OF GAGE	WATER-STAGE RECORDER.
ZERO GAGE AT BOTTOM	+143.50 M. (M.S.L.)
BENCH MARK	B.M.-H.D.
LOCATION	INFRONT OF THE STATION OFFICE.
ELEVATION	+153.908 M. (M.S.L.)
GAGE READING FREQUENCY	RECORDING.
BASIS OF MEAN DAILY GAGE HEIGHT	MEAN OF 24 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1979 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1979 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1979 TO DATE.
STABILITY OF CHANNEL REGIMES	STABLE.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS GOOD. STAGE-DISCHARGE RELATION DEFINED BY 118 DISCHARGE MEASUREMENTS MADE IN 1983.

GAGE HEIGHT IN METER (MSL), WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	144.05	144.03	144.53	144.15	145.43	145.32	146.10	144.86	144.65	144.17	144.03	144.06	
2	144.06	144.04	144.41	144.17	146.06	145.33	145.71	144.83	144.65	144.17	144.05	144.05	
3	144.06	144.05	144.28	144.17	145.62	145.52	145.65	144.77	144.64	144.17	144.06	144.04	
4	144.06	144.11	144.22	144.15	145.48	145.78	146.57	144.70	144.62	144.18	144.08	144.04	
5	144.06	144.10	144.19	144.14	146.35	146.20	147.20	144.66	144.62	144.17	144.07	144.04	
6	144.05	144.09	144.20	144.14	146.35	147.02	147.19	144.67	144.60	144.15	144.06	144.04	
7	144.05	144.58	144.17	144.14	145.76	147.36	146.70	144.63	144.58	144.13	144.06	144.04	
8	144.05	144.63	144.14	144.14	145.88	147.93	146.56	144.63	144.51	144.12	144.08	144.04	
9	144.04	144.46	144.15	144.12	146.12	147.85	147.46	144.65	144.48	144.11	144.08	144.02	
10	144.04	144.77	144.14	144.12	145.87	146.77	147.35	144.67	144.47	144.14	144.05	144.02	
11	144.04	145.02	144.16	144.13	145.69	146.22	146.43	145.01	144.46	144.16	144.05	144.00	
12	144.03	145.53	144.21	144.23	145.64	146.34	146.09	145.53	144.45	144.14	144.05	144.00	
13	144.03	144.93	144.21	144.20	146.35	146.31	145.85	146.04	144.37	144.16	144.04	144.00	
14	144.03	144.68	144.19	144.15	145.82	146.53	145.68	146.04	144.44	144.16	144.02	144.00	
15	144.02	144.74	144.18	144.09	145.44	147.52	145.53	145.63	144.47	144.15	144.02	144.00	
16	144.00	145.04	144.18	144.19	145.14	147.36	145.48	145.24	144.48	144.14	144.04	144.00	
17	143.98	144.73	144.18	144.22	144.98	146.67	145.49	145.09	144.41	144.12	144.05	143.99	
18	143.98	144.58	144.16	144.22	144.83	146.42	145.46	145.07	144.37	144.11	144.06	143.98	
19	144.02	144.46	144.13	144.31	144.74	148.36	145.38	144.99	144.30	144.09	144.06	143.98	
20	144.06	144.42	144.11	144.49	144.74	148.75	145.35	144.95	144.31	144.07	144.07	143.98	
21	144.06	144.40	144.10	144.48	144.95	147.88	145.26	144.89	144.30	144.08	144.08	143.98	
22	144.05	144.23	144.09	144.44	145.22	147.40	145.20	144.85	144.27	144.08	144.09	143.98	
23	144.05	144.19	144.08	144.54	145.98	146.77	145.12	144.83	144.24	144.08	144.07	143.99	
24	144.05	144.15	144.10	145.92	146.08	146.31	145.03	144.81	144.20	144.07	144.05	144.02	
25	144.06	144.14	144.17	145.62	145.58	146.03	144.95	144.78	144.17	144.06	144.05	144.05	
26	144.06	144.14	144.13	145.23	145.29	145.87	144.90	144.73	144.16	144.06	144.03	144.09	
27	144.06	144.14	144.11	145.08	145.18	145.68	144.86	144.73	144.14	144.06	144.05	144.07	
28	144.08	144.15	144.10	145.09	145.43	145.50	144.85	144.71	144.16	144.05	144.07	144.03	
29	144.07	144.16	144.11	145.21	145.80	145.47	144.84	144.70	144.17	144.04	144.07	144.01	
30	144.06	144.63	144.14	145.47	145.65	145.86	144.82	144.69	144.17	144.04		144.01	
31		144.76		145.46	145.44		144.85		144.17	144.04		144.01	
MEAN	144.04	144.45	144.18	144.52	145.58	146.61	145.74	144.95	144.39	144.11	144.06	144.02	
MAX	144.08	145.53	144.53	145.92	146.35	148.75	147.46	146.04	144.65	144.18	144.09	144.09	148.75
MIN	143.98	144.03	144.08	144.09	144.74	145.32	144.82	144.63	144.14	144.04	144.02	143.98	143.98

ANNUAL MAX MOMENTARY GAGE HEIGHT 149.24 M (MSL), AT 24.00 HOURS, ON SEP 19, 1983
ZERO GAGE AT BOTTOM ELEVATION 143.50 M (MSL), RIVER BED 143.41 M (MSL)
LEFT BANK ELEVATION 153.23 M (MSL)
RIGHT BANK ELEVATION 154.07 M (MSL), DRAINAGE AREA 7624 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	2.50	2.30	13.90	4.00	71.40	62.60	133.00	30.20	18.50	4.40	2.30	2.60	
2	2.60	2.40	10.30	4.40	129.00	63.40	94.90	28.10	18.50	4.40	2.50	2.50	
3	2.60	2.50	6.60	4.40	86.80	78.60	89.50	24.50	18.00	4.40	2.60	2.40	
4	2.60	3.20	5.40	4.00	75.40	101.20	190.80	21.00	17.00	4.60	2.80	2.40	
5	2.60	3.00	4.80	3.80	161.00	143.00	279.00	19.00	17.00	4.40	2.70	2.40	
6	2.50	2.90	5.00	3.80	161.00	253.80	277.60	19.50	16.00	4.00	2.60	2.40	
7	2.50	15.40	4.40	3.80	99.40	302.00	209.00	17.50	15.40	3.60	2.60	2.40	
8	2.50	17.50	3.80	3.80	111.00	391.80	189.40	17.50	13.30	3.40	2.80	2.40	
9	2.40	11.80	4.00	3.40	135.00	379.00	317.00	18.50	12.40	3.20	2.80	2.20	
10	2.40	24.50	3.80	3.40	110.00	218.80	300.50	19.50	12.10	3.80	2.50	2.20	
11	2.40	41.40	4.20	3.60	93.10	145.40	171.20	40.70	11.80	4.20	2.50	2.00	
12	2.30	79.40	5.20	5.60	88.60	159.80	132.00	79.40	11.50	3.80	2.50	2.00	
13	2.30	35.10	5.20	5.00	161.00	156.20	108.00	127.00	9.10	4.20	2.40	2.00	
14	2.30	20.00	4.80	4.00	105.00	185.20	92.20	127.00	11.20	4.20	2.20	2.00	
15	2.20	23.00	4.60	2.90	72.20	326.20	79.40	87.70	12.10	4.00	2.20	2.00	
16	2.00	42.80	4.60	4.80	49.80	302.00	75.40	56.80	12.40	3.80	2.40	2.00	
17	1.80	22.50	4.60	5.40	38.60	204.80	76.20	46.30	10.30	3.40	2.50	1.90	
18	1.80	15.40	4.20	5.40	28.10	169.80	73.80	44.90	9.10	3.20	2.60	1.80	
19	2.20	11.80	3.60	7.30	23.00	463.20	67.40	39.30	7.00	2.90	2.60	1.80	
20	2.60	10.60	3.20	12.70	23.00	533.00	65.00	36.50	7.30	2.70	2.70	1.80	
21	2.60	10.00	3.00	12.40	36.50	383.80	58.20	32.30	7.00	2.80	2.80	1.80	
22	2.50	5.60	2.90	11.20	55.40	308.00	54.00	29.50	6.40	2.80	2.90	1.80	
23	2.50	4.80	2.80	14.20	121.00	218.80	48.40	28.10	5.80	2.80	2.70	1.90	
24	2.50	4.00	3.00	115.00	131.00	156.20	42.10	26.70	5.00	2.70	2.50	2.20	
25	2.60	3.80	4.40	86.80	83.40	126.00	36.50	25.00	4.40	2.60	2.50	2.50	
26	2.60	3.80	3.60	56.10	60.30	110.00	33.00	22.50	4.20	2.60	2.30	2.90	
27	2.60	3.80	3.20	45.60	52.60	92.20	30.20	22.50	3.80	2.60	2.50	2.70	
28	2.80	4.00	3.00	46.30	71.40	77.00	29.50	21.50	4.20	2.50	2.70	2.30	
29	2.70	4.20	3.20	54.70	103.00	74.60	28.80	21.00	4.40	2.40	2.70	2.10	
30	2.60	17.50	3.80	74.60	89.50	109.00	27.40	20.50	4.40	2.40		2.10	
31		24.00		73.80	72.20		29.50		4.40	2.40		2.10	
TOTAL	73.10	473.00	139.10	686.20	2698.70	6295.40	3438.90	1150.50	314.00	105.20	74.40	67.60	15516.10 CMSDAY
MEAN	2.44	15.26	4.64	22.14	87.05	209.85	110.93	38.35	10.13	3.39	2.57	2.18	42.39 CMS
MAX	2.80	79.40	13.90	115.00	161.00	533.00	317.00	127.00	18.50	4.60	2.90	2.90	533.00 CMS
MIN	1.80	2.30	2.80	2.90	23.00	62.60	27.40	17.50	3.80	2.40	2.20	1.80	1.80 CMS
RUNOFF	6.316	40.867	12.018	59.288	233.168	543.923	297.121	99.403	27.130	9.089	6.428	5.841	1340.591 MCM

MOMENTARY PEAK 621.20 CMS, AT 149.24 M (MSL), AT 24.00 HOURS, ON SEP 19, 1983

RUNOFF YIELD 5.56 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 81.48 LITERS/SECOND/SQUARE KM

WATER YEAR 1983

YOM RIVER BASIN

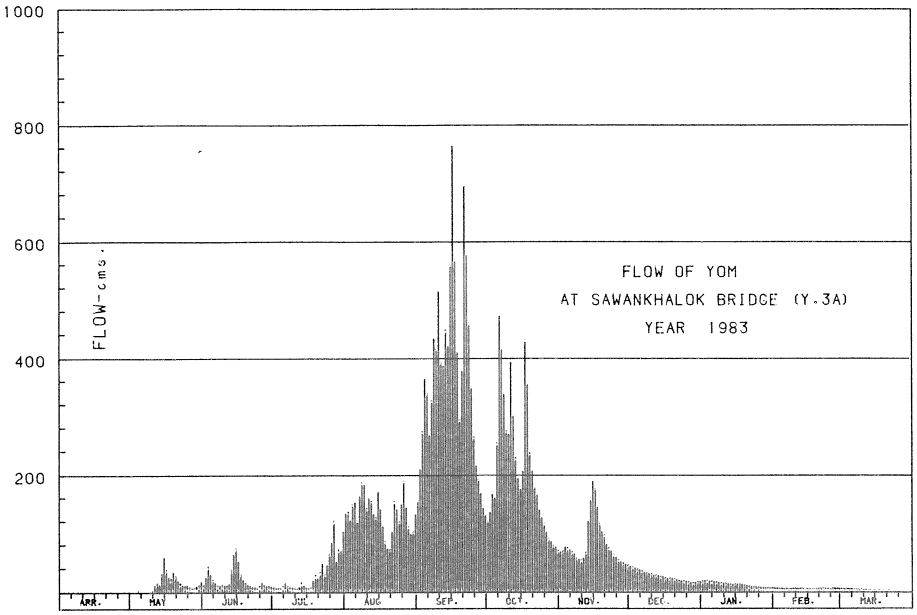
YOM RIVER AT SAWANKHALOK, SUKHOTHAI (Y.3A)

LOCATION	LAT. 17°-18'-29" N., LONG. 99°-49'-43" E., ON RIGHT BANK ABOUT 100 METERS DOWNSTREAM FROM THE BRIDGE ON HIGHWAY, AMPHOE SAWANKHALOK, SUKHOTHAI.
DRAINAGE AREA	13,583 SQ.KM.
TYPE OF GAGE	WATER-STAGE RECORDER.
ZERO GAGE AT BOTTOM	+51.00 M. (M.S.L.)
BENCH MARK	B.M.-H.D.
LOCATION	INFRONT OF AUTOMATIC GAGE BUILDING.
ELEVATION	+60.559 M. (M.S.L.)
GAGE READING FREQUENCY	RECORDING.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 24 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1967 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1967 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1967 TO DATE.
STABILITY OF CHANNEL REGIMES	STABLE.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS GOOD. STAGE-DISCHARGE RELATION DEFINED BY 45 DISCHARGE MEASUREMENTS MADE IN 1983.

GAGE HEIGHT IN METER (MSL), WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	51.32	51.26	51.77	51.65	53.57	53.82	53.45	52.74	52.39	51.93	51.61	51.56	
2	51.32	51.26	52.06	51.62	53.60	54.38	53.59	52.76	52.37	51.95	51.59	51.54	
3	51.32	51.27	52.40	51.59	53.43	55.03	53.98	52.86	52.34	51.95	51.58	51.54	
4	51.32	51.40	52.16	51.60	53.75	55.85	53.86	52.84	52.31	51.93	51.57	51.55	
5	51.32	51.33	52.00	51.72	53.78	55.64	54.83	52.79	52.29	51.92	51.56	51.53	
6	51.32	51.24	51.86	51.85	53.44	54.96	56.76	52.75	52.26	51.91	51.55	51.50	
7	51.32	51.27	51.75	51.72	53.90	55.51	56.32	52.69	52.22	51.89	51.55	51.50	
8	51.32	51.28	51.74	51.68	54.16	56.44	55.61	52.59	52.20	51.87	51.56	51.49	
9	51.32	51.31	51.78	51.63	54.12	56.30	55.04	52.56	52.18	51.85	51.57	51.48	
10	51.32	51.37	51.75	51.59	53.67	57.11	54.98	52.55	52.17	51.84	51.58	51.47	
11	51.32	51.74	51.74	51.57	53.86	56.11	56.13	52.59	52.14	51.83	51.57	51.44	
12	51.31	51.84	51.81	51.66	53.81	56.05	55.27	52.73	52.14	51.81	51.57	51.44	
13	51.30	51.77	52.30	51.88	53.56	56.56	54.58	53.41	52.13	51.80	51.57	51.44	
14	51.29	52.19	52.68	51.74	53.50	56.33	54.22	53.86	52.10	51.79	51.57	51.43	
15	51.29	52.61	52.84	51.63	53.98	57.47	54.08	54.17	52.10	51.81	51.56	51.42	
16	51.29	52.30	52.51	51.61	53.70	58.88	54.35	54.05	52.06	51.80	51.55	51.42	
17	51.29	52.07	52.20	51.64	53.30	57.54	56.42	53.69	52.03	51.79	51.54	51.42	
18	51.29	52.04	51.99	51.95	52.99	56.24	55.76	53.37	52.05	51.78	51.54	51.41	
19	51.29	52.25	51.86	52.14	52.82	55.22	54.66	53.19	52.04	51.75	51.56	51.41	
20	51.29	52.12	51.77	52.03	52.80	55.97	54.35	53.12	52.02	51.74	51.57	51.41	
21	51.29	51.95	51.72	52.22	53.18	58.44	54.11	52.92	51.99	51.71	51.58	51.39	
22	51.29	51.85	51.68	52.45	53.80	57.58	53.92	52.84	51.96	51.69	51.59	51.39	
23	51.29	51.76	51.64	52.19	53.65	56.67	53.69	52.76	51.94	51.67	51.56	51.39	
24	51.28	51.72	51.61	52.41	53.41	55.70	53.49	52.68	51.94	51.66	51.56	51.39	
25	51.27	51.75	51.72	52.71	53.74	54.94	53.38	52.61	51.92	51.65	51.55	51.38	
26	51.27	51.66	51.86	52.96	54.18	54.44	53.18	52.55	51.90	51.64	51.58	51.38	
27	51.27	51.61	51.76	53.42	53.68	54.22	53.05	52.50	51.86	51.62	51.61	51.37	
28	51.27	51.61	51.72	52.50	53.30	53.95	52.98	52.47	51.86	51.62	51.58	51.37	
29	51.27	51.71	51.72	52.80	53.14	53.72	52.90	52.44	51.87	51.63	51.57	51.37	
30	51.27	51.75	51.70	52.76	53.19	53.53	52.86	52.42	51.91	51.63		51.37	
31		51.90		53.19	53.55		52.78		51.91	51.62		51.38	
MEAN	51.30	51.72	51.94	52.07	53.57	55.82	54.34	52.92	52.08	51.78	51.57	51.44	
MAX	51.32	52.61	52.84	53.42	54.18	58.88	56.76	54.17	52.39	51.95	51.61	51.56	58.88
MIN	51.27	51.24	51.61	51.57	52.80	53.53	52.78	52.42	51.86	51.62	51.54	51.37	51.24

ANNUAL MAX MOMENTARY GAGE HEIGHT 59.09 M (MSL), AT 11.00 HOURS, ON SEP 16, 1983
ZERO GAGE AT BOTTOM ELEVATION 51.00 M (MSL), RIVER BED 50.77 M (MSL)
LEFT BANK ELEVATION 60.76 M (MSL)
RIGHT BANK ELEVATION 60.86 M (MSL), DRAINAGE AREA 13583 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	1.4	0.6	12.8	8.5	134.3	156.8	124.0	68.8	44.4	19.2	7.3	6.2	
2	1.4	0.6	25.0	7.6	137.0	210.0	136.1	70.2	43.2	20.0	6.8	5.8	
3	1.4	0.7	45.0	6.8	122.4	275.0	171.2	77.2	41.4	20.0	6.6	5.8	
4	1.4	3.0	30.6	7.0	150.5	364.5	160.4	75.8	39.6	19.2	6.4	6.0	
5	1.4	1.6	22.0	10.8	153.2	341.4	255.0	72.3	38.4	18.8	6.2	5.6	
6	1.4	0.4	16.4	16.0	123.2	268.0	472.2	69.5	36.6	18.4	6.0	5.0	
7	1.4	0.7	12.0	10.8	164.0	327.1	419.4	65.3	34.2	17.6	6.0	5.0	
8	1.4	0.8	11.6	9.4	188.0	433.8	338.1	58.3	33.0	16.8	6.2	4.8	
9	1.4	1.2	13.2	7.9	184.0	417.0	276.0	56.2	31.8	16.0	6.4	4.6	
10	1.4	2.4	12.0	6.8	143.3	514.3	270.0	55.5	31.2	15.6	6.6	4.4	
11	1.4	11.6	11.6	6.4	160.4	394.2	396.6	58.3	29.4	15.2	6.4	3.8	
12	1.2	15.6	14.4	8.8	155.9	387.0	300.7	68.1	29.4	14.4	6.4	3.8	
13	1.0	12.8	39.0	17.2	133.4	448.2	230.0	120.8	28.8	14.0	6.4	3.8	
14	0.9	32.4	64.6	11.6	128.0	420.6	194.0	160.4	27.0	13.6	6.4	3.6	
15	0.9	59.7	75.8	7.9	171.2	561.1	180.2	189.0	27.0	14.4	6.2	3.4	
16	0.9	39.0	52.7	7.3	146.0	765.0	207.0	177.5	25.0	14.0	6.0	3.4	
17	0.9	25.5	33.0	8.2	112.0	570.6	431.4	145.1	23.5	13.6	5.8	3.4	
18	0.9	24.0	21.6	20.0	87.2	409.8	354.6	117.6	24.5	13.2	5.8	3.2	
19	0.9	36.0	16.4	29.4	74.4	295.2	238.0	103.2	24.0	12.0	6.2	3.2	
20	0.9	28.2	12.8	23.5	73.0	377.7	207.0	97.6	23.0	11.6	6.4	3.2	
21	0.9	20.0	10.8	34.2	102.4	699.0	183.0	81.6	21.6	10.4	6.6	2.8	
22	0.9	16.0	9.4	48.5	155.0	576.2	165.8	75.8	20.4	9.7	6.8	2.8	
23	0.9	12.4	8.2	32.4	141.5	461.4	145.1	70.2	19.6	9.1	6.2	2.8	
24	0.8	10.8	7.3	45.7	120.8	348.0	127.2	64.6	19.6	8.8	6.2	2.8	
25	0.7	12.0	10.8	66.7	149.6	266.0	118.4	59.7	18.8	8.5	6.0	2.6	
26	0.7	8.8	16.4	84.8	190.0	216.0	102.4	55.5	18.0	8.2	6.6	2.6	
27	0.7	7.3	12.4	121.6	144.2	194.0	92.0	52.0	16.4	7.6	7.3	2.4	
28	0.7	7.3	10.8	52.0	112.0	168.5	86.4	49.9	16.4	7.6	6.6	2.4	
29	0.7	10.4	10.8	73.0	99.2	147.8	80.0	47.8	16.8	7.9	6.4	2.4	
30	0.7	12.0	10.0	70.2	103.2	130.7	77.2	46.4	18.4	7.9		2.4	
31		18.0		103.2	132.5		71.6		18.4	7.6		2.6	
TOTAL	31.6	431.8	649.4	964.2	4191.8	11144.9	6611.0	2510.2	839.8	410.9	185.2	116.6	28087.4 CMSDAY
MEAN	1.1	13.9	21.6	31.1	135.2	371.5	213.3	83.7	27.1	13.3	6.4	3.8	76.7 CMS
MAX	1.4	59.7	75.8	121.6	190.0	765.0	472.2	189.0	44.4	20.0	7.3	6.2	765.0 CMS
MIN	0.7	0.4	7.3	6.4	73.0	130.7	71.6	46.4	16.4	7.6	5.8	2.4	0.4 CMS
RUNOFF	2.73	37.31	56.11	83.31	362.17	962.92	571.19	216.88	72.56	35.50	16.00	10.07	2426.75 MCM

MOMENTARY PEAK 796.50 CMS, AT 59.09 M (MSL), AT 11.00 HOURS, ON SEP 16, 1983
RUNOFF YIELD 5.65 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 58.64 LITERS/SECOND/SQUARE KM

WATER YEAR 1983

YOM RIVER BASIN

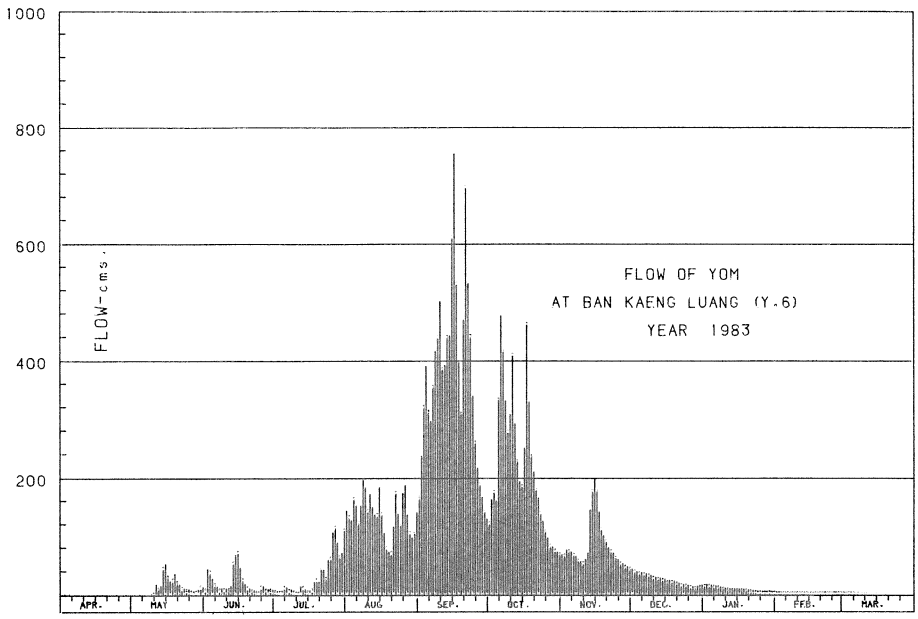
YOM RIVER AT BAN KAENG LUANG, SUKHOTHAI (Y.6)

LOCATION	LAT. 17°-26'-03" N., LONG. 99°-47'-32" E., ON LEFT BANK ABOUT 150 METERS UPSTREAM FROM KAENG LUANG, AMPHOE SI SATCHANALAI, SUKHOTHAI.
DRAINAGE AREA	12,658 SQ.KM.
TYPE OF GAGE	WATER-STAGE RECORDER.
ZERO GAGE AT BOTTOM	+59.00 M. (M.S.L.)
BENCH MARK	B.M.-H.D.
LOCATION	NEAR THE AUTOMATIC GAGE BUILDING.
ELEVATION	+68.928 M. (M.S.L.)
GAGE READING FREQUENCY	RECORDING.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 24 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1952 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1952 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1952 TO DATE.
STABILITY OF CHANNEL REGIMES	STABLE.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS GOOD. FLOW DIVERTED FOR IRRIGATION ABOUT 24,000 HECTARES AT ABOVE GAGE SITE. STAGE-DISCHARGE RELATION DEFINED BY 97 DISCHARGE MEASUREMENTS MADE IN 1983.

GAGE HEIGHT IN METER (MSL), WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	59.35	59.29	59.89	59.80	61.53	61.72	61.37	60.83	60.52	60.06	59.71	59.66	
2	59.36	59.28	60.52	59.75	61.46	62.17	61.68	60.84	60.49	60.08	59.70	59.66	
3	59.37	59.27	60.48	59.74	61.39	62.64	61.79	60.92	60.46	60.07	59.69	59.67	
4	59.37	59.37	60.28	59.77	61.71	62.97	61.66	60.92	60.45	60.05	59.68	59.67	
5	59.37	59.31	60.12	60.01	61.60	62.60	62.70	60.88	60.44	60.03	59.68	59.66	
6	59.37	59.28	59.98	59.95	61.38	62.50	63.36	60.85	60.42	60.02	59.68	59.64	
7	59.36	59.30	59.90	59.86	61.60	62.81	63.10	60.80	60.41	60.00	59.67	59.62	
8	59.36	59.35	59.91	59.84	61.94	63.09	62.68	60.74	60.39	59.97	59.68	59.60	
9	59.35	59.40	59.92	59.77	61.83	63.21	62.42	60.70	60.37	59.94	59.69	59.58	
10	59.34	59.62	59.91	59.72	61.55	63.47	62.56	60.69	60.34	59.92	59.68	59.57	
11	59.33	60.07	59.91	59.70	61.75	62.96	63.07	60.74	60.32	59.91	59.68	59.55	
12	59.33	59.94	60.01	59.99	61.63	62.98	62.48	60.93	60.31	59.90	59.68	59.54	
13	59.32	60.01	60.69	60.00	61.47	63.21	62.13	61.54	60.30	59.89	59.68	59.52	
14	59.31	60.57	60.83	59.85	61.49	63.21	61.90	61.80	60.28	59.88	59.68	59.51	
15	59.31	60.64	60.90	59.77	61.83	63.91	61.86	61.94	60.26	59.88	59.67	59.50	
16	59.31	60.36	60.55	59.78	61.50	64.41	62.25	61.81	60.21	59.87	59.65	59.49	
17	59.31	60.19	60.29	59.89	61.21	63.61	63.31	61.51	60.22	59.87	59.65	59.49	
18	59.31	60.27	60.10	60.16	60.98	63.00	62.67	61.29	60.21	59.86	59.66	59.49	
19	59.31	60.40	59.99	60.28	60.88	62.58	62.18	61.17	60.20	59.85	59.67	59.48	
20	59.32	60.20	59.91	60.17	60.89	63.33	62.01	61.10	60.16	59.83	59.67	59.48	
21	59.32	60.07	59.85	60.57	61.30	64.22	61.82	60.96	60.13	59.82	59.68	59.47	
22	59.32	59.97	59.81	60.50	61.78	63.60	61.70	60.92	60.10	59.79	59.68	59.46	
23	59.32	59.90	59.77	60.32	61.48	63.22	61.51	60.86	60.08	59.77	59.68	59.46	
24	59.31	59.87	59.75	60.73	61.36	62.72	61.38	60.80	60.08	59.75	59.68	59.45	
25	59.30	59.85	60.01	60.79	61.76	62.32	61.26	60.74	60.05	59.75	59.68	59.45	
26	59.30	59.77	59.99	61.22	61.89	62.05	61.13	60.69	60.02	59.74	59.69	59.44	
27	59.30	59.74	59.88	61.31	61.47	61.89	61.02	60.65	59.99	59.74	59.69	59.43	
28	59.30	59.77	59.86	61.05	61.23	61.71	60.98	60.61	59.97	59.75	59.69	59.43	
29	59.29	59.84	59.88	60.82	61.13	61.54	60.93	60.58	60.00	59.75	59.68	59.42	
30	59.29	60.02	59.84	60.86	61.25	61.41	60.88	60.56	60.02	59.74		59.42	
31		59.96		61.27	61.50		60.86		60.05	59.73		59.49	
MEAN	59.33	59.83	60.09	60.23	61.48	62.84	61.96	60.98	60.23	59.88	59.68	59.53	
MAX	59.37	60.64	60.90	61.31	61.94	64.41	63.36	61.94	60.52	60.08	59.71	59.67	64.41
MIN	59.29	59.27	59.75	59.70	60.88	61.41	60.86	60.56	59.97	59.73	59.65	59.42	59.27

ANNUAL MAX MOMENTARY GAGE HEIGHT 64.63 M (MSL), AT 7.00 HOURS, ON SEP 16, 1983
ZERO GAGE AT BOTTOM ELEVATION 59.00 M (MSL), RIVER BED 57.87 M (MSL)
LEFT BANK ELEVATION 69.68 M (MSL)
RIGHT BANK ELEVATION 70.50 M (MSL), DRAINAGE AREA 12658 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	1.5	0.9	11.7	9.0	144.6	168.8	125.4	69.7	45.4	18.4	6.3	5.2	
2	1.6	0.8	45.4	7.5	136.2	237.9	163.4	70.6	43.3	19.2	6.0	5.2	
3	1.7	0.7	42.6	7.2	127.8	324.0	178.6	77.8	41.2	18.8	5.8	5.4	
4	1.7	1.7	29.0	8.1	167.4	390.7	160.8	77.8	40.5	18.0	5.6	5.4	
5	1.7	1.1	21.0	16.4	153.0	316.0	336.0	74.2	39.8	17.2	5.6	5.2	
6	1.7	0.8	15.2	14.0	126.6	297.0	476.8	71.5	38.4	16.8	5.6	4.8	
7	1.6	1.0	12.0	10.8	153.0	358.0	419.0	67.0	37.7	16.0	5.4	4.4	
8	1.6	1.5	12.4	10.2	200.0	416.8	332.0	61.6	36.3	14.8	5.6	4.0	
9	1.5	2.0	12.8	8.1	184.2	443.2	281.8	58.0	34.9	13.6	5.8	3.8	
10	1.4	4.4	12.4	6.6	147.0	502.1	308.4	57.3	32.8	12.8	5.6	3.7	
11	1.3	18.8	12.4	6.0	173.0	388.6	412.4	61.6	31.4	12.4	5.6	3.5	
12	1.3	13.6	16.4	15.6	156.9	392.8	293.2	78.7	30.7	12.0	5.6	3.4	
13	1.2	16.4	57.3	16.0	137.4	443.2	231.1	145.8	30.0	11.7	5.6	3.2	
14	1.1	48.9	69.7	10.5	139.8	443.2	194.0	180.0	29.0	11.4	5.6	3.1	
15	1.1	53.8	76.0	8.1	184.2	613.7	188.4	200.0	28.0	11.4	5.4	3.0	
16	1.1	34.2	47.5	8.4	141.0	755.0	251.5	181.4	25.5	11.1	5.0	2.9	
17	1.1	24.5	29.5	11.7	106.2	535.6	465.3	142.2	26.0	11.1	5.0	2.9	
18	1.1	28.5	20.0	23.0	83.2	397.0	330.0	115.8	25.5	10.8	5.2	2.9	
19	1.1	37.0	15.6	29.0	74.2	312.2	239.6	102.0	25.0	10.5	5.4	2.8	
20	1.2	25.0	12.4	23.5	75.1	469.9	210.7	95.0	23.0	9.9	5.4	2.8	
21	1.2	18.8	10.5	48.9	117.0	699.8	182.8	81.4	21.5	9.6	5.6	2.7	
22	1.2	14.8	9.3	44.0	177.2	533.0	166.0	77.8	20.0	8.7	5.6	2.6	
23	1.2	12.0	8.1	31.4	138.6	445.4	142.2	72.4	19.2	8.1	5.6	2.6	
24	1.1	11.1	7.5	60.7	124.2	340.0	126.6	67.0	19.2	7.5	5.6	2.5	
25	1.0	10.5	16.4	66.1	174.4	263.6	112.2	61.6	18.0	7.5	5.6	2.5	
26	1.0	8.1	15.6	107.4	192.6	217.5	98.0	57.3	16.8	7.2	5.8	2.4	
27	1.0	7.2	11.4	118.2	137.4	192.6	87.0	54.5	15.6	7.2	5.8	2.3	
28	1.0	8.1	10.8	90.0	108.6	167.4	83.2	51.7	14.8	7.5	5.8	2.3	
29	0.9	10.2	11.4	68.8	98.0	145.8	78.7	49.6	16.0	7.5	5.6	2.2	
30	0.9	16.8	10.2	72.4	111.0	130.2	74.2	48.2	16.8	7.2		2.2	
31		14.4		113.4	141.0		72.4		18.0	6.9		2.9	
TOTAL	38.1	447.6	682.5	1071.0	4330.8	11341.0	6821.7	2609.5	860.3	362.8	162.1	104.8	28832.2 CMSDAY
MEAN	1.3	14.4	22.8	34.5	139.7	378.0	220.1	87.0	27.8	11.7	5.6	3.4	78.8 CMS
MAX	1.7	53.8	76.0	118.2	200.0	755.0	476.8	200.0	45.4	19.2	6.3	5.4	755.0 CMS
MIN	0.9	0.7	7.5	6.0	74.2	130.2	72.4	48.2	14.8	6.9	5.0	2.2	0.7 CMS
RUNOFF	3.29	38.67	58.97	92.53	374.18	979.86	589.39	225.46	74.33	31.35	14.01	9.05	2491.10 MCM

MOMENTARY PEAK 821.00 CMS, AT 64.63 M (MSL), AT 7.00 HOURS, ON SEP 16, 1983

RUNOFF YIELD 6.22 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 64.86 LITERS/SECOND/SQUARE KM

WATER YEAR 1983

YOM RIVER BASIN

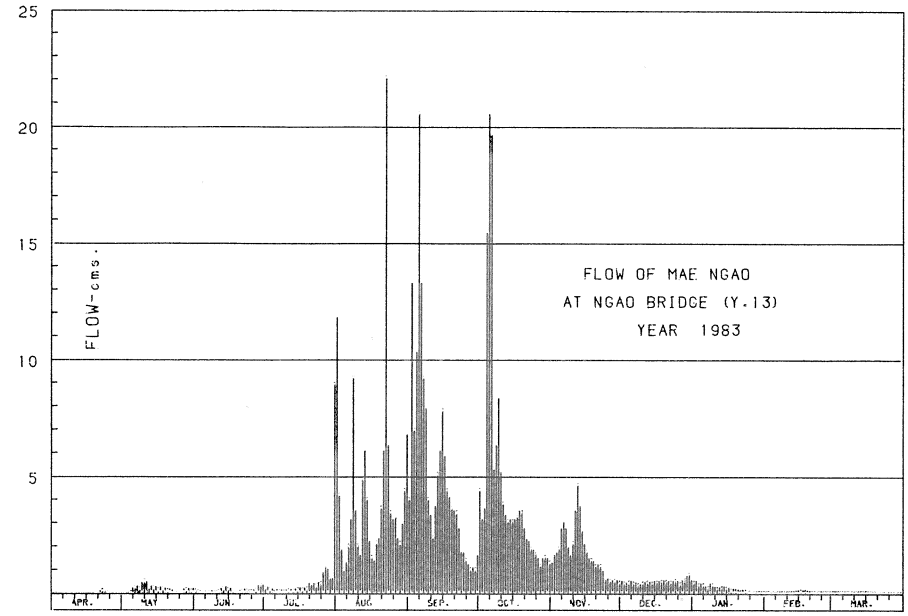
NGAO RIVER AT NGAO, LAMPANG (Y.13)

LOCATION	LAT. 18°-45'-06" N., LONG. 99°-58'-53" E., ON LEFT BANK DOWNSTREAM AT THE BRIDGE ON HIGHWAY, AMPHOE NGAO, LAMPANG.
DRAINAGE AREA	382 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM	+266.30 M.(M.S.L.)
BENCH MARK	B.M.-H.D.
LOCATION	ON LEFT BANK ABOUT 5.00 METERS UPSTREAM FROM THE GAGE SITE.
ELEVATION	+273.180 M. (M.S.L.)
GAGE READING FREQUENCY	5-TIME DAILY READINGS AT 06.00, 09.00, 12.00, 15.00 AND 18.00 HOURS.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 5 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1957 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1957-1958, 1969, 1971 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1957-1958, 1969, 1971 TO DATE.
STABILITY OF CHANNEL REGIMES	STABLE.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS GOOD. FLOW REGULATED BY THE WEIR BUILT BY THE LOCAL RESIDENTS. STAGE-DISCHARGE RELATION DEFINED BY 25 DISCHARGE MEASUREMENTS MADE IN 1983.

GAGE HEIGHT IN METER (MSL), WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	266.34	266.33	266.43	266.49	267.16	266.88	266.90	266.69	266.56	266.56	266.38	266.39	
2	266.34	266.33	266.41	266.47	266.89	267.20	266.83	266.73	266.55	266.56	266.38	266.40	
3	266.34	266.35	266.39	266.46	266.74	267.01	266.86	266.73	266.54	266.53	266.37	266.39	
4	266.34	266.38	266.38	266.43	266.66	267.12	267.25	266.75	266.56	266.53	266.37	266.39	
5	266.34	266.45	266.37	266.40	266.69	267.36	267.36	266.81	266.56	266.53	266.37	266.39	
6	266.34	266.48	266.38	266.42	266.76	267.20	267.34	266.83	266.55	266.49	266.37	266.39	
7	266.33	266.49	266.38	266.41	266.83	267.09	266.94	266.81	266.54	266.49	266.38	266.39	
8	266.33	266.47	266.39	266.41	267.09	267.04	266.98	266.76	266.53	266.53	266.38	266.38	
9	266.33	266.54	266.38	266.40	266.85	266.88	267.06	266.72	266.52	266.53	266.38	266.38	
10	266.33	266.58	266.39	266.41	266.76	266.84	266.93	266.77	266.55	266.48	266.37	266.38	
11	266.32	266.55	266.41	266.43	266.72	266.79	266.87	266.85	266.55	266.47	266.38	266.39	
12	266.32	266.50	266.44	266.42	266.92	266.86	266.84	266.91	266.56	266.47	266.38	266.39	
13	266.32	266.49	266.47	266.43	266.97	266.93	266.83	266.86	266.55	266.49	266.39	266.39	
14	266.32	266.49	266.48	266.43	266.88	266.97	266.83	266.81	266.55	266.49	266.40	266.39	
15	266.32	266.48	266.46	266.45	266.77	267.04	266.83	266.76	266.56	266.48	266.41	266.39	
16	266.31	266.45	266.45	266.46	266.72	266.96	266.83	266.74	266.56	266.46	266.42	266.39	
17	266.31	266.47	266.43	266.45	266.70	266.90	266.84	266.71	266.56	266.44	266.41	266.38	
18	266.31	266.47	266.40	266.45	266.77	266.88	266.85	266.71	266.57	266.44	266.41	266.38	
19	266.30	266.45	266.39	266.47	266.78	266.86	266.85	266.70	266.57	266.43	266.40	266.37	
20	266.37	266.43	266.40	266.53	266.86	266.85	266.81	266.68	266.57	266.42	266.39	266.36	
21	266.38	266.43	266.42	266.55	266.97	266.85	266.79	266.68	266.56	266.40	266.39	266.36	
22	266.43	266.40	266.43	266.53	267.39	266.81	266.77	266.68	266.56	266.42	266.39	266.36	
23	266.38	266.38	266.42	266.52	266.98	266.74	266.75	266.64	266.56	266.41	266.38	266.36	
24	266.37	266.36	266.41	266.54	266.85	266.73	266.74	266.60	266.58	266.39	266.39	266.36	
25	266.35	266.36	266.41	266.55	266.83	266.71	266.73	266.59	266.56	266.39	266.39	266.36	
26	266.33	266.40	266.41	266.63	266.84	266.68	266.71	266.58	266.54	266.38	266.39	266.36	
27	266.32	266.43	266.44	266.68	266.78	266.66	266.68	266.57	266.57	266.38	266.39	266.36	
28	266.32	266.45	266.50	266.65	266.77	266.66	266.71	266.58	266.59	266.38	266.39	266.36	
29	266.32	266.44	266.53	266.61	266.82	266.66	266.72	266.57	266.61	266.38	266.39	266.36	
30	266.32	266.42	266.51	266.59	266.90	266.72	266.71	266.56	266.63	266.38		266.36	
31		266.44		267.08	267.00		266.70		266.57	266.38		266.36	
MEAN	266.34	266.44	266.42	266.51	266.86	266.90	266.87	266.71	266.56	266.46	266.39	266.38	
MAX	266.43	266.58	266.53	267.08	267.39	267.36	267.36	266.91	266.63	266.56	266.42	266.40	267.39
MIN	266.30	266.33	266.37	266.40	266.66	266.66	266.68	266.56	266.52	266.38	266.37	266.36	266.30

ANNUAL MAX MOMENTARY GAGE HEIGHT 267.45 M (MSL), AT 18.00 HOURS, ON OCT 5, 1983
ZERO GAGE AT BOTTOM ELEVATION 266.30 M (MSL), RIVER BED 266.08 M (MSL)
LEFT BANK ELEVATION 275.56 M (MSL)
RIGHT BANK ELEVATION 275.05 M (MSL), DRAINAGE AREA 382 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.06	0.04	0.21	0.33	11.82	4.12	4.50	1.33	0.56	0.56	0.12	0.13	
2	0.06	0.04	0.17	0.29	4.31	13.30	3.17	1.76	0.52	0.56	0.12	0.15	
3	0.06	0.07	0.13	0.27	1.88	7.08	3.74	1.76	0.49	0.45	0.11	0.13	
4	0.06	0.12	0.12	0.21	1.12	10.34	15.45	2.00	0.56	0.45	0.11	0.13	
5	0.06	0.25	0.11	0.15	1.33	20.66	20.66	2.79	0.56	0.45	0.11	0.13	
6	0.06	0.31	0.12	0.19	2.12	13.30	19.64	3.17	0.52	0.33	0.11	0.13	
7	0.04	0.33	0.12	0.17	3.17	9.32	5.42	2.79	0.49	0.33	0.12	0.13	
8	0.04	0.29	0.13	0.17	9.32	7.92	6.34	2.12	0.45	0.45	0.12	0.12	
9	0.04	0.49	0.12	0.15	3.55	4.12	8.48	1.64	0.42	0.45	0.12	0.12	
10	0.04	0.63	0.13	0.17	2.12	3.36	5.19	2.24	0.52	0.31	0.11	0.12	
11	0.03	0.52	0.17	0.21	1.64	2.48	3.93	3.55	0.52	0.29	0.12	0.13	
12	0.03	0.35	0.23	0.19	4.96	3.74	3.36	4.73	0.56	0.29	0.12	0.13	
13	0.03	0.33	0.29	0.21	6.11	5.19	3.17	3.74	0.52	0.33	0.13	0.13	
14	0.03	0.33	0.31	0.21	4.12	6.11	3.17	2.79	0.52	0.33	0.15	0.13	
15	0.03	0.31	0.27	0.25	2.24	7.92	3.17	2.12	0.56	0.31	0.17	0.13	
16	0.02	0.25	0.25	0.27	1.64	5.88	3.17	1.88	0.56	0.27	0.19	0.13	
17	0.02	0.29	0.21	0.25	1.40	4.50	3.36	1.52	0.56	0.23	0.17	0.12	
18	0.02	0.29	0.15	0.25	2.24	4.12	3.55	1.52	0.59	0.23	0.17	0.12	
19	0.00	0.25	0.13	0.29	2.36	3.74	3.55	1.40	0.59	0.21	0.15	0.11	
20	0.11	0.21	0.15	0.45	3.74	3.55	2.79	1.26	0.59	0.19	0.13	0.09	
21	0.12	0.21	0.19	0.52	6.11	3.55	2.48	1.26	0.56	0.15	0.13	0.09	
22	0.21	0.15	0.21	0.45	22.19	2.79	2.24	1.26	0.56	0.19	0.13	0.09	
23	0.12	0.12	0.19	0.42	6.34	1.88	2.00	0.98	0.56	0.17	0.12	0.09	
24	0.11	0.09	0.17	0.49	3.55	1.76	1.88	0.70	0.63	0.13	0.13	0.09	
25	0.07	0.09	0.17	0.52	3.17	1.52	1.76	0.66	0.56	0.13	0.13	0.09	
26	0.04	0.15	0.17	0.91	3.36	1.26	1.52	0.63	0.49	0.12	0.13	0.09	
27	0.03	0.21	0.23	1.26	2.36	1.12	1.26	0.59	0.59	0.12	0.13	0.09	
28	0.03	0.25	0.35	1.05	2.24	1.12	1.52	0.63	0.66	0.12	0.13	0.09	
29	0.03	0.23	0.45	0.77	2.98	1.12	1.64	0.59	0.77	0.12	0.13	0.09	
30	0.03	0.19	0.38	0.66	4.50	1.64	1.52	0.56	0.91	0.12		0.09	
31		0.23		9.04	6.80		1.40		0.59	0.12		0.09	
TOTAL	1.63	7.62	6.03	20.77	134.79	158.51	145.03	53.97	17.54	8.51	3.81	3.50	561.71 CMSDAY
MEAN	0.05	0.25	0.20	0.67	4.35	5.28	4.68	1.80	0.57	0.27	0.13	0.11	1.53 CMS
MAX	0.21	0.63	0.45	9.04	22.19	20.66	20.66	4.73	0.91	0.56	0.19	0.15	22.19 CMS
MIN	0.00	0.04	0.11	0.15	1.12	1.12	1.26	0.56	0.42	0.12	0.11	0.09	0.00 CMS
RUNOFF	0.141	0.658	0.521	1.795	11.646	13.695	12.531	4.663	1.515	0.735	0.329	0.302	48.532 MCM

MOMENTARY PEAK 25.70 CMS, AT 267.45 M (MSL), AT 18.00 HOURS, ON OCT 5, 1983

RUNOFF YIELD 4.02 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 67.28 LITERS/SECOND/SQUARE KM

WATER YEAR 1983

YOM RIVER BASIN

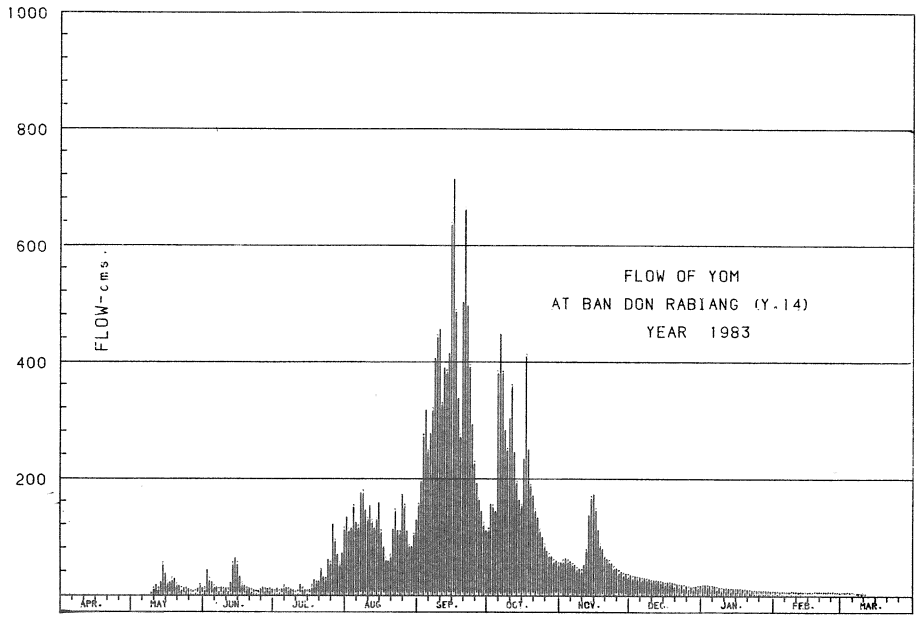
YOM RIVER AT BAN DON RABIANG, SUKHOTHAI (Y.14)

LOCATION	LAT. 17°-35'-42" N., LONG. 99°-43'-08" E., ON LEFT BANK ABOUT 50 METERS FROM SI SATCHANALAI-DEN CHAI HIGHWAY NO. 101 AT GUIDEPOST 44 TH., AMPHOE SI SATCHANALAI, SUKHOTHAI.
DRAINAGE AREA	12,131 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM	+65.10 M. (M.S.L.)
BENCH MARK	B.M.-H.D.
LOCATION	INFRONT OF GAGE OBSERVER'S HOUSE.
ELEVATION	+78.363 M. (M.S.L.)
GAGE READING FREQUENCY	5-TIME DAILY READINGS AT 06.00, 09.00, 12.00, 15.00 AND 18.00 HOURS.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 5 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1964 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1964 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1964 TO DATE.
STABILITY OF CHANNEL REGIMES	STABLE.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS GOOD. STAGE-DISCHARGE RELATION DEFINED BY 48 DISCHARGE MEASUREMENTS MADE IN 1983.

GAGE HEIGHT IN METER (MSL), WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	65.64	65.56	66.08	65.95	67.64	67.86	67.45	66.78	66.49	66.16	65.92	65.85	
2	65.64	65.56	66.62	66.03	67.45	68.16	67.85	66.84	66.46	66.17	65.91	65.86	
3	65.64	65.55	66.41	65.95	67.45	68.74	67.84	66.87	66.45	66.16	65.90	65.87	
4	65.64	65.55	66.26	66.00	67.84	69.02	67.74	66.84	66.44	66.15	65.89	65.87	
5	65.64	65.56	66.15	66.15	67.55	68.55	69.40	66.81	66.43	66.14	65.89	65.86	
6	65.64	65.61	66.07	66.06	67.50	68.75	69.74	66.77	66.41	66.13	65.88	65.83	
7	65.63	65.63	66.04	66.04	68.01	69.04	69.40	66.73	66.40	66.10	65.89	65.82	
8	65.62	65.64	66.07	65.99	68.05	69.52	68.79	66.68	66.38	66.08	65.91	65.80	
9	65.61	65.81	66.05	65.95	67.76	69.73	68.57	66.65	66.37	66.06	65.91	65.79	
10	65.61	66.06	66.04	65.91	67.63	69.78	68.93	66.64	66.35	66.05	65.89	65.78	
11	65.61	66.16	66.03	65.94	67.83	69.10	69.27	66.73	66.33	66.05	65.89	65.77	
12	65.61	66.06	66.24	66.17	67.60	69.43	68.52	67.06	66.32	66.04	65.89	65.75	
13	65.60	66.26	66.78	66.08	67.45	69.41	68.17	67.67	66.31	66.03	65.88	65.74	
14	65.60	66.78	66.87	65.97	67.63	69.57	67.91	67.96	66.30	66.03	65.87	65.73	
15	65.60	66.52	66.79	65.94	67.87	70.66	67.85	67.99	66.28	66.03	65.87	65.73	
16	65.60	66.30	66.44	65.98	67.42	71.00	68.44	67.79	66.24	66.03	65.86	65.72	
17	65.60	66.25	66.25	66.17	67.11	69.95	69.56	67.42	66.26	66.02	65.86	65.72	
18	65.60	66.41	66.14	66.34	66.89	69.14	68.55	67.19	66.26	66.01	65.89	65.71	
19	65.60	66.37	66.07	66.28	66.81	68.74	68.13	67.07	66.25	66.00	65.89	65.71	
20	65.60	66.21	66.04	66.29	66.95	70.01	67.97	66.97	66.22	65.99	65.89	65.70	
21	65.60	66.13	66.01	66.65	67.43	70.78	67.79	66.86	66.20	65.98	65.89	65.70	
22	65.59	66.08	65.97	66.42	67.77	69.98	67.63	66.83	66.18	65.96	65.88	65.70	
23	65.59	66.04	65.93	66.40	67.41	69.46	67.44	66.77	66.18	65.95	65.88	65.69	
24	65.59	66.05	65.93	66.84	67.40	68.86	67.30	66.71	66.17	65.95	65.89	65.68	
25	65.59	66.00	66.15	66.80	67.99	68.41	67.18	66.66	66.14	65.94	65.89	65.68	
26	65.58	65.94	66.07	67.52	67.85	68.14	67.03	66.62	66.12	65.94	65.89	65.67	
27	65.58	65.92	66.03	67.26	67.40	67.94	66.98	66.58	66.10	65.94	65.88	65.66	
28	65.58	65.95	66.02	66.95	67.16	67.74	66.91	66.55	66.09	65.94	65.86	65.66	
29	65.57	66.02	66.03	66.79	67.12	67.55	66.85	66.53	66.12	65.93	65.85	65.67	
30	65.57	66.18	65.99	66.98	67.36	67.41	66.82	66.51	66.14	65.92		65.71	
31		66.04		67.46	67.59		66.78		66.15	65.92		65.76	
MEAN	65.61	66.01	66.19	66.36	67.51	69.08	68.03	66.94	66.28	66.03	65.89	65.75	
MAX	65.64	66.78	66.87	67.52	68.05	71.00	69.74	67.99	66.49	66.17	65.92	65.87	71.00
MIN	65.57	65.55	65.93	65.91	66.81	67.41	66.78	66.51	66.09	65.92	65.85	65.66	65.55

ANNUAL MAX MOMENTARY GAGE HEIGHT 71.36 M (MSL), AT 6.00 HOURS, ON SEP 16, 1983
ZERO GAGE AT BOTTOM ELEVATION 65.10 M (MSL), RIVER BED 63.70 M (MSL)
LEFT BANK ELEVATION 78.36 M (MSL)
RIGHT BANK ELEVATION 78.35 M (MSL), DRAINAGE AREA 12131 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	1.4	0.6	14.2	9.0	134.0	157.2	115.0	56.4	35.4	18.0	7.8	5.5	
2	1.4	0.6	43.6	12.2	115.0	194.4	156.0	61.2	33.6	18.5	7.4	5.8	
3	1.4	0.5	30.6	9.0	115.0	275.6	154.8	63.6	33.0	18.0	7.0	6.1	
4	1.4	0.5	23.0	11.0	154.8	317.2	144.0	61.2	32.4	17.5	6.7	6.1	
5	1.4	0.6	17.5	17.5	125.0	249.0	384.0	58.8	31.8	17.0	6.7	5.8	
6	1.4	1.1	13.8	13.4	120.0	277.0	448.0	55.6	30.6	16.5	6.4	4.9	
7	1.3	1.3	12.6	12.6	175.2	320.4	384.0	52.4	30.0	15.0	6.7	4.6	
8	1.2	1.4	13.8	10.6	180.0	405.6	282.6	48.4	29.0	14.2	7.4	4.0	
9	1.1	4.3	13.0	9.0	146.0	446.0	251.8	46.0	28.5	13.4	7.4	3.8	
10	1.1	13.4	12.6	7.4	133.0	456.0	302.8	45.2	27.5	13.0	6.7	3.6	
11	1.1	18.0	12.2	8.6	153.6	330.0	360.6	52.4	26.5	13.0	6.7	3.4	
12	1.1	13.4	22.0	18.5	130.0	389.4	244.8	78.8	26.0	12.6	6.7	3.0	
13	1.0	23.0	56.4	14.2	115.0	385.8	195.8	137.0	25.5	12.2	6.4	2.8	
14	1.0	56.4	63.6	9.8	133.0	414.6	163.2	169.2	25.0	12.2	6.1	2.6	
15	1.0	37.2	57.2	8.6	158.4	639.2	156.0	172.8	24.0	12.2	6.1	2.6	
16	1.0	25.0	32.4	10.2	112.0	714.0	233.6	149.0	22.0	12.2	5.8	2.4	
17	1.0	22.5	22.5	18.5	82.8	490.0	412.8	112.0	23.0	11.8	5.8	2.4	
18	1.0	30.6	17.0	27.0	65.2	337.2	249.0	89.2	23.0	11.4	6.7	2.2	
19	1.0	28.5	13.8	24.0	58.8	275.6	190.2	79.6	22.5	11.0	6.7	2.2	
20	1.0	20.5	12.6	24.5	70.0	502.0	170.4	71.6	21.0	10.6	6.7	2.0	
21	1.0	16.5	11.4	46.0	113.0	665.6	149.0	62.8	20.0	10.2	6.7	2.0	
22	0.9	14.2	9.8	31.2	147.0	496.0	133.0	60.4	19.0	9.4	6.4	2.0	
23	0.9	12.6	8.2	30.0	111.0	394.8	114.0	55.6	19.0	9.0	6.4	1.9	
24	0.9	13.0	8.2	61.2	110.0	292.4	100.0	50.8	18.5	9.0	6.7	1.8	
25	0.9	11.0	17.5	58.0	172.8	229.4	88.4	46.8	17.0	8.6	6.7	1.8	
26	0.8	8.6	13.8	122.0	156.0	191.6	76.4	43.6	16.0	8.6	6.7	1.7	
27	0.8	7.8	12.2	96.0	110.0	166.8	72.4	40.8	15.0	8.6	6.4	1.6	
28	0.8	9.0	11.8	70.0	86.8	144.0	66.8	39.0	14.6	8.6	5.8	1.6	
29	0.7	11.8	12.2	57.2	83.6	125.0	62.0	37.8	16.0	8.2	5.5	1.7	
30	0.7	19.0	10.6	72.4	106.0	111.0	59.6	36.6	17.0	7.8		2.2	
31		12.6		116.0	129.0		56.4		17.5	7.8		3.2	
TOTAL	31.7	435.5	620.1	1035.6	3802.0	10392.8	5977.4	2134.6	739.9	376.1	191.2	97.3	25834.2 CMSDAY
MEAN	1.1	14.0	20.7	33.4	122.6	346.4	192.8	71.2	23.9	12.1	6.6	3.1	70.6 CMS
MAX	1.4	56.4	63.6	122.0	180.0	714.0	448.0	172.8	35.4	18.5	7.8	6.1	714.0 CMS
MIN	0.7	0.5	8.2	7.4	58.8	111.0	56.4	36.6	14.6	7.8	5.5	1.6	0.5 CMS
RUNOFF	2.74	37.63	53.58	89.48	328.49	897.94	516.45	184.43	63.93	32.50	16.52	8.41	2232.07 MCM

MOMENTARY PEAK 801.60 CMS, AT 71.36 M (MSL), AT 6.00 HOURS, ON SEP 16, 1983
RUNOFF YIELD 5.82 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 66.08 LITERS/SECOND/SQUARE KM

WATER YEAR 1983

YOM RIVER BASIN

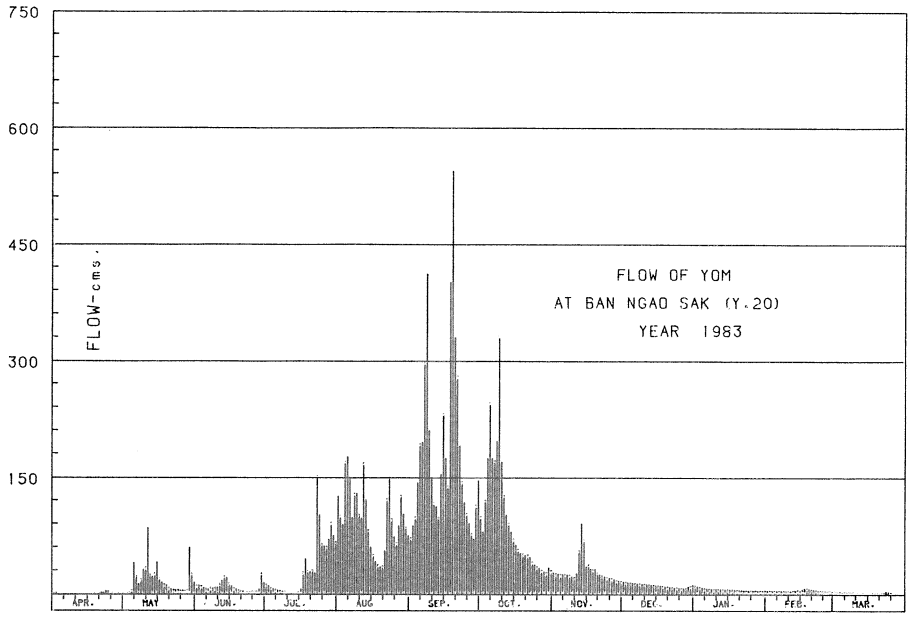
YOM RIVER AT BAN NGAO SAK, PHRAE (Y.20)

LOCATION	LAT. 18°-35'-03" N., LONG. 100°-09'-17" E., ON LEFT BANK ABOUT 1 KILOMETER DOWNSTREAM FROM SOP NGAO, TAMBON TAO POON, AMPHOE SONG, PHRAE.
DRAINAGE AREA	5,410 SQ.KM.
TYPE OF GAGE	WATER-STAGE RECORDER.
ZERO GAGE AT BOTTOM	+180.976 M. (M.S.L.)
BENCH MARK	B.M.-H.D.
LOCATION	NEAR THE AUTOMATIC GAGE BUILDING.
ELEVATION	+193.552 M. (M.S.L.)
GAGE READING FREQUENCY	RECORDING.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 24 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1971 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1972 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1972 TO DATE.
STABILITY OF CHANNEL REGIMES	STABLE.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS GOOD. STAGE-DISCHARGE RELATION DEFINED BY 98 DISCHARGE MEASUREMENTS MADE IN 1983.

GAGE HEIGHT IN METER (MSL), WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	181.43	181.44	181.79	181.82	183.57	182.87	183.26	182.14	181.91	181.78	181.59	181.53	
2	181.45	181.44	181.80	181.78	183.28	183.09	182.98	182.12	181.90	181.76	181.59	181.53	
3	181.46	181.48	181.77	181.71	183.11	183.25	183.51	182.11	181.89	181.74	181.58	181.52	
4	181.46	181.61	181.72	181.68	184.06	183.76	184.10	182.10	181.88	181.72	181.58	181.51	
5	181.45	182.38	181.68	181.64	184.12	184.27	184.68	182.10	181.87	181.70	181.57	181.50	
6	181.43	182.06	181.66	181.61	183.86	184.29	184.10	182.10	181.86	181.69	181.57	181.50	
7	181.42	181.84	181.72	181.58	183.24	185.05	184.07	182.09	181.85	181.68	181.58	181.49	
8	181.43	181.97	181.70	181.55	183.61	185.74	184.30	182.08	181.85	181.67	181.57	181.49	
9	181.42	182.22	181.72	181.54	183.61	184.45	185.27	182.04	181.84	181.67	181.56	181.49	
10	181.43	182.28	181.73	181.52	183.30	183.82	184.05	182.02	181.84	181.67	181.56	181.48	
11	181.41	183.05	181.85	181.55	183.23	183.48	183.58	182.12	181.83	181.67	181.56	181.47	
12	181.41	182.10	181.94	181.52	184.04	183.42	183.29	182.63	181.82	181.66	181.57	181.47	
13	181.40	182.04	182.05	181.54	183.52	183.25	183.14	183.13	181.81	181.66	181.60	181.46	
14	181.41	182.13	182.01	181.52	183.02	183.88	182.98	182.84	181.80	181.65	181.62	181.45	
15	181.40	182.39	181.87	181.52	182.70	184.58	182.85	182.30	181.79	181.65	181.58	181.45	
16	181.39	182.01	181.77	181.66	182.56	184.10	182.74	182.34	181.78	181.65	181.61	181.45	
17	181.40	181.89	181.71	182.16	182.41	183.72	182.66	182.24	181.78	181.65	181.69	181.45	
18	181.40	181.83	181.67	182.46	182.34	185.68	182.58	182.22	181.77	181.64	181.69	181.45	
19	181.40	181.80	181.62	182.20	182.29	186.43	182.57	182.24	181.76	181.63	181.68	181.45	
20	181.40	181.72	181.60	182.17	182.31	185.26	182.54	182.14	181.75	181.62	181.64	181.45	
21	181.46	181.67	181.55	182.21	182.63	184.93	182.55	182.09	181.74	181.61	181.64	181.45	
22	181.43	181.63	181.53	182.13	183.53	184.25	182.50	182.06	181.73	181.61	181.62	181.48	
23	181.57	181.63	181.52	183.86	183.84	183.78	182.40	182.04	181.72	181.60	181.59	181.68	
24	181.54	181.63	181.52	183.29	183.22	183.48	182.34	182.02	181.72	181.60	181.58	181.53	
25	181.49	181.61	181.54	182.76	182.89	183.32	182.30	182.01	181.71	181.60	181.57	181.48	
26	181.46	181.60	181.54	182.72	182.78	183.13	182.26	181.99	181.70	181.60	181.55	181.45	
27	181.45	181.59	181.54	182.71	183.09	182.95	182.21	181.97	181.70	181.60	181.55	181.43	
28	181.46	181.62	181.65	182.84	183.58	182.85	182.17	181.94	181.70	181.59	181.55	181.43	
29	181.46	182.69	182.15	183.15	183.30	183.44	182.15	181.93	181.75	181.59	181.54	181.43	
30	181.45	182.12	181.88	182.91	183.07	183.79	182.27	181.92	181.77	181.59		181.43	
31		181.89		182.80	182.91		182.20		181.81	181.59		181.42	
MEAN	181.44	181.91	181.73	182.13	183.19	184.01	183.05	182.17	181.79	181.65	181.59	181.48	
MAX	181.57	183.05	182.15	183.86	184.12	186.43	185.27	183.13	181.91	181.78	181.69	181.68	186.43
MIN	181.39	181.44	181.52	181.52	182.29	182.85	182.15	181.92	181.70	181.59	181.54	181.42	181.39

ANNUAL MAX MOMENTARY GAGE HEIGHT 187.22 M (MSL), AT 23.00 HOURS, ON SEP 18, 1983
ZERO GAGE AT BOTTOM ELEVATION 180.98 M (MSL), RIVER BED 179.73 M (MSL)
LEFT BANK ELEVATION 193.50 M (MSL)
RIGHT BANK ELEVATION 190.18 M (MSL), DRAINAGE AREA 5410 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	1.60	1.80	11.60	12.80	126.30	72.90	100.20	28.00	16.50	11.20	4.80	3.60	
2	2.00	1.80	12.00	11.20	101.60	88.30	80.60	27.00	16.00	10.40	4.80	3.60	
3	2.20	2.60	10.80	8.40	89.70	99.50	120.90	26.50	15.60	9.60	4.60	3.40	
4	2.20	5.30	8.80	7.40	171.00	143.40	175.00	26.00	15.20	8.80	4.60	3.20	
5	2.00	40.80	7.40	6.20	177.00	193.40	246.20	26.00	14.80	8.00	4.40	3.00	
6	1.60	24.00	6.80	5.30	152.40	195.80	175.00	26.00	14.40	7.70	4.40	3.00	
7	1.40	13.60	8.80	4.60	98.80	298.00	172.00	25.50	14.00	7.40	4.60	2.80	
8	1.60	19.50	8.00	4.00	129.90	412.20	197.00	25.00	14.00	7.10	4.40	2.80	
9	1.40	32.00	8.80	3.80	129.90	215.00	332.20	23.00	13.60	7.10	4.20	2.80	
10	1.60	35.00	9.20	3.40	103.00	148.80	170.00	22.00	13.60	7.10	4.20	2.60	
11	1.20	85.50	14.00	4.00	98.10	118.20	127.20	27.00	13.20	7.10	4.20	2.40	
12	1.20	26.00	18.00	3.40	169.00	112.80	102.30	56.10	12.80	6.80	4.40	2.40	
13	1.00	23.00	23.50	3.80	121.80	99.50	91.80	91.10	12.40	6.80	5.00	2.20	
14	1.20	27.50	21.50	3.40	83.40	154.20	80.60	70.80	12.00	6.50	5.60	2.00	
15	1.00	41.40	14.80	3.40	61.00	232.20	71.50	36.00	11.60	6.50	4.60	2.00	
16	0.90	21.50	10.80	6.80	51.60	175.00	63.80	38.40	11.20	6.50	5.30	2.00	
17	1.00	15.60	8.40	29.00	42.60	139.80	58.20	33.00	11.20	6.50	7.70	2.00	
18	1.00	13.20	7.10	45.60	38.40	401.60	52.80	32.00	10.80	6.20	7.70	2.00	
19	1.00	12.00	5.60	31.00	35.50	548.30	52.20	33.00	10.40	5.90	7.40	2.00	
20	1.00	8.80	5.00	29.50	36.60	330.60	50.40	28.00	10.00	5.60	6.20	2.00	
21	2.20	7.10	4.00	31.50	56.10	281.20	51.00	25.50	9.60	5.30	6.20	2.00	
22	1.60	5.90	3.60	27.50	122.70	191.00	48.00	24.00	9.20	5.30	5.60	2.60	
23	4.40	5.90	3.40	152.40	150.60	145.20	42.00	23.00	8.80	5.00	4.80	7.40	
24	3.80	5.90	3.40	102.30	97.40	118.20	38.40	22.00	8.80	5.00	4.60	3.60	
25	2.80	5.30	3.80	65.20	74.30	104.60	36.00	21.50	8.40	5.00	4.40	2.60	
26	2.20	5.00	3.80	62.40	66.60	91.10	34.00	20.50	8.00	5.00	4.00	2.00	
27	2.00	4.80	3.80	61.70	88.30	78.50	31.50	19.50	8.00	5.00	4.00	1.60	
28	2.20	5.60	6.50	70.80	127.20	71.50	29.50	18.00	8.00	4.80	4.00	1.60	
29	2.20	60.30	28.50	92.50	103.00	114.60	28.50	17.50	10.00	4.80	3.80	1.60	
30	2.00	27.00	15.20	75.70	86.90	146.10	34.50	17.00	10.80	4.80		1.60	
31		15.60		68.00	75.70		31.00		12.40	4.80		1.40	
TOTAL	53.50	599.30	296.90	1037.00	3066.40	5521.50	2924.30	908.90	365.30	203.60	144.50	79.80	15201.00 CMSDAY
MEAN	1.78	19.33	9.90	33.45	98.92	184.05	94.33	30.30	11.78	6.57	4.98	2.57	41.53 CMS
MAX	4.40	85.50	28.50	152.40	177.00	548.30	332.20	91.10	16.50	11.20	7.70	7.40	548.30 CMS
MIN	0.90	1.80	3.40	3.40	35.50	71.50	28.50	17.00	8.00	4.80	3.80	1.40	0.90 CMS
RUNOFF	4.622	51.780	25.652	89.597	264.937	477.058	252.660	78.529	31.562	17.591	12.485	6.895	1313.367 MCM

MOMENTARY PEAK 733.00 CMS, AT 187.22 M (MSL), AT 23.00 HOURS, ON SEP 18, 1983
RUNOFF YIELD 7.68 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 135.49 LITERS/SECOND/SQUARE KM

WATER YEAR 1983

YOM RIVER BASIN

NAM PI AT BAN MANG, PHAYAO (Y.24)

LOCATION — LAT. 18°-53'-04" N., LONG. 100°-17'-24" E., ON RIGHT BANK UPSTREAM OF THE BRIDGE OF PONG SANUK-CHIANG MUAN ROAD, BAN MANG, AMPHOE CHIANG MUAN, PHAYAO.

DRAINAGE AREA — 597 SQ.KM.

TYPE OF GAGE — STAFF GAGE.

ZERO GAGE AT BOTTOM — +0.00 M. (A.D.)

BENCH MARK — B.M.-H.D.

LOCATION — ON RIGHT BANK AT THE ABUTMENT OF THE BRIDGE.

ELEVATION — +7.035 M. (A.D.)

GAGE READING FREQUENCY — 5-TIME DAILY READINGS AT 06.00, 09.00, 12.00, 15.00 AND 18.00 HOURS.

BASIS OF MEAN DAILY GAGE HEIGHT — ARITHMETIC MEAN OF 5 READINGS.

PERIOD OF AVAILABLE GAGE RECORDS — 1977 TO DATE.

RATING OPERATION

PERIOD OF RATING — 1979 TO DATE.

RATED BY FLOAT — -

RATED BY CURRENT METER — 1979 TO DATE.

STABILITY OF CHANNEL REGIMES — RATHER UNSTABLE BECAUSE THE LOCAL WEIR WAS BLOCKED BY THE FAMERS.

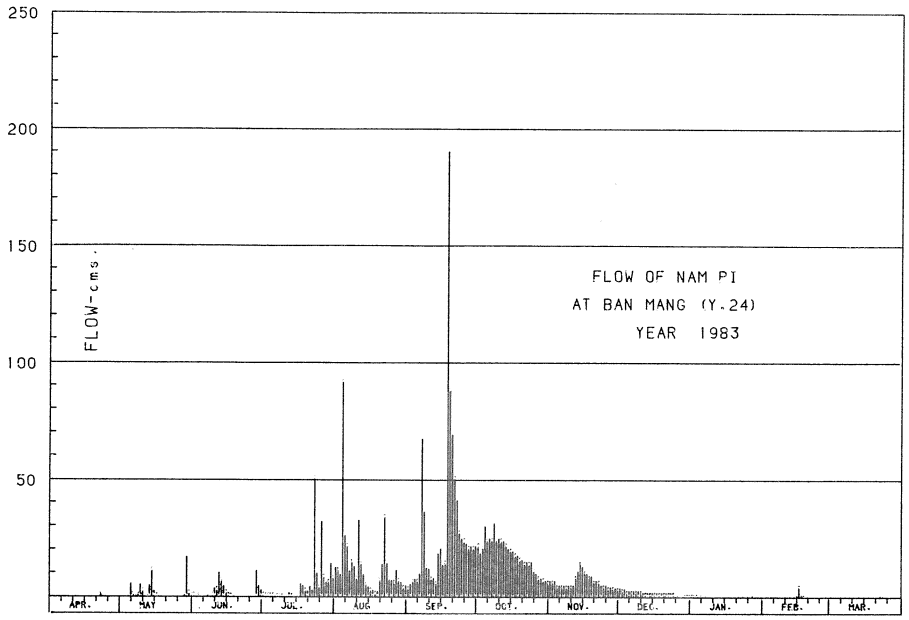
OVERBANK FLOW CONDITIONS — NO OVERBANK FLOW.

GENERAL DESCRIPTION — RECORDS FAIR. STAGE-DISCHARGE RELATION DEFINED BY 23 DISCHARGE MEASUREMENTS MADE IN 1983.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.82	0.82	1.17	1.20	1.73	1.38	1.96	1.72	1.67	1.60	1.50	1.48	
2	0.82	0.82	1.14	1.16	1.72	1.44	1.88	1.72	1.66	1.60	1.50	1.48	
3	0.82	0.85	1.12	1.14	1.62	1.53	1.94	1.72	1.66	1.59	1.50	1.48	
4	0.82	0.94	1.08	1.17	2.88	1.54	2.08	1.70	1.64	1.58	1.50	1.48	
5	0.82	1.45	1.05	1.16	2.02	1.54	2.00	1.70	1.64	1.56	1.50	1.48	
6	0.82	1.20	1.11	1.14	1.96	1.63	2.00	1.70	1.64	1.56	1.50	1.48	
7	0.82	1.01	1.20	1.11	1.68	2.60	2.00	1.70	1.64	1.56	1.50	1.48	
8	0.82	1.17	1.15	1.12	1.82	2.17	2.10	1.70	1.64	1.54	1.50	1.48	
9	0.82	1.43	1.18	1.09	1.74	1.76	2.00	1.70	1.64	1.54	1.50	1.48	
10	0.82	1.33	1.34	1.08	1.59	1.71	2.00	1.70	1.64	1.54	1.50	1.48	
11	0.82	1.11	1.37	1.08	2.12	1.58	2.00	1.70	1.62	1.52	1.50	1.48	
12	0.82	1.04	1.65	1.18	1.80	1.56	1.98	1.74	1.62	1.52	1.50	1.48	
13	0.82	1.41	1.56	1.13	1.62	1.50	1.96	1.76	1.62	1.52	1.50	1.48	
14	0.82	1.72	1.40	1.11	1.48	1.88	1.92	1.80	1.62	1.52	1.50	1.48	
15	0.82	1.25	1.28	1.11	1.38	1.94	1.92	1.78	1.62	1.52	1.54	1.46	
16	0.82	1.14	1.18	1.08	1.35	1.76	1.90	1.76	1.62	1.52	1.70	1.46	
17	0.82	1.10	1.13	1.50	1.29	1.81	1.88	1.75	1.62	1.52	1.58	1.46	
18	0.82	1.14	1.09	1.41	1.25	3.78	1.86	1.74	1.62	1.52	1.56	1.46	
19	0.82	1.08	1.08	1.34	1.24	2.84	1.84	1.74	1.62	1.53	1.32	1.44	
20	0.82	1.04	1.05	1.25	1.56	2.61	1.82	1.72	1.62	1.53	1.50	1.44	
21	0.82	1.00	1.04	1.46	1.77	2.38	1.80	1.72	1.62	1.52	1.50	1.44	
22	1.18	1.00	1.02	1.28	2.15	2.24	1.80	1.72	1.62	1.52	1.50	1.53	
23	0.93	0.98	1.03	2.38	1.78	2.05	1.80	1.70	1.62	1.52	1.50	1.50	
24	0.90	1.02	1.06	1.64	1.58	2.00	1.80	1.70	1.62	1.52	1.50	1.46	
25	0.86	1.00	1.06	1.42	1.52	2.00	1.77	1.70	1.58	1.52	1.50	1.44	
26	0.84	0.98	1.06	2.11	1.52	1.96	1.75	1.68	1.56	1.52	1.50	1.44	
27	0.82	0.98	1.12	1.62	1.69	1.94	1.74	1.68	1.56	1.52	1.50	1.44	
28	0.82	1.16	1.68	1.48	1.55	1.94	1.73	1.68	1.56	1.50	1.50	1.44	
29	0.82	1.85	1.48	1.53	1.48	1.94	1.73	1.67	1.60	1.50	1.48	1.44	
30	0.82	1.26	1.29	1.78	1.42	1.94	1.72	1.67	1.60	1.50		1.44	
31		1.15		1.60	1.41		1.72		1.60	1.50		1.44	
MEAN	0.84	1.14	1.21	1.35	1.67	1.96	1.88	1.72	1.62	1.53	1.51	1.47	
MAX	1.18	1.85	1.68	2.38	2.88	3.78	2.10	1.80	1.67	1.60	1.70	1.53	3.78
MIN	0.82	0.82	1.02	1.08	1.24	1.38	1.72	1.67	1.56	1.50	1.32	1.44	0.82

ANNUAL MAX MOMENTARY GAGE HEIGHT — 6.04 M (A.D), AT 17.00 HOURS, ON SEP 18, 1983
ZERO GAGE AT BOTTOM ELEVATION — 0.00 M (A.D), RIVER BED — -1.84 M (A.D)
LEFT BANK ELEVATION — 8.66 M (A.D)
RIGHT BANK ELEVATION — 9.20 M (A.D), DRAINAGE AREA — 597 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.04	0.04	1.66	1.90	12.76	4.38	22.80	7.00	3.83	1.10	0.20	0.16	
2	0.04	0.04	1.42	1.58	12.44	5.50	18.60	7.00	3.44	1.10	0.20	0.16	
3	0.04	0.10	1.26	1.42	9.64	7.42	21.70	7.00	3.44	1.01	0.20	0.16	
4	0.04	0.34	0.99	1.66	92.70	7.66	30.20	5.00	2.66	0.92	0.20	0.16	
5	0.04	5.70	0.82	1.58	26.30	7.66	25.00	5.00	2.66	0.74	0.20	0.16	
6	0.04	1.90	1.18	1.42	22.80	9.91	25.00	5.00	2.66	0.74	0.20	0.16	
7	0.04	0.60	1.90	1.18	11.26	68.50	25.00	5.00	2.66	0.74	0.20	0.16	
8	0.04	1.66	1.50	1.26	15.90	36.40	31.50	5.00	2.66	0.56	0.20	0.16	
9	0.04	5.30	1.74	1.05	13.08	13.72	25.00	5.00	2.66	0.56	0.20	0.16	
10	0.04	3.58	3.74	0.99	8.86	12.12	25.00	5.00	2.66	0.56	0.20	0.16	
11	0.04	1.18	4.22	0.99	32.90	8.62	25.00	5.00	1.88	0.38	0.20	0.16	
12	0.04	0.77	10.45	1.74	15.00	8.14	23.90	9.00	1.88	0.38	0.20	0.16	
13	0.04	4.90	8.14	1.34	9.64	6.70	22.80	11.00	1.88	0.38	0.20	0.16	
14	0.04	12.44	4.70	1.18	6.30	18.60	20.60	15.00	1.88	0.38	0.20	0.16	
15	0.04	2.50	2.86	1.18	4.38	21.70	20.60	13.00	1.88	0.38	0.56	0.12	
16	0.04	1.42	1.74	0.99	3.90	13.72	19.50	11.00	1.88	0.38	5.00	0.12	
17	0.04	1.10	1.34	6.70	2.98	15.45	18.60	10.00	1.88	0.38	0.92	0.12	
18	0.04	1.42	1.05	4.90	2.50	190.30	17.70	9.00	1.88	0.38	0.74	0.12	
19	0.04	0.99	0.99	3.74	2.38	89.10	16.80	9.00	1.88	0.47	0.00	0.08	
20	0.04	0.77	0.82	2.50	8.14	69.30	15.90	7.00	1.88	0.47	0.20	0.08	
21	0.04	0.55	0.77	5.90	14.04	51.50	15.00	7.00	1.88	0.38	0.20	0.08	
22	1.74	0.55	0.66	2.86	35.00	41.30	15.00	7.00	1.88	0.38	0.20	0.47	
23	0.31	0.48	0.71	51.50	14.36	28.25	15.00	5.00	1.88	0.38	0.20	0.20	
24	0.20	0.66	0.88	10.18	8.62	25.00	15.00	5.00	1.88	0.38	0.20	0.12	
25	0.12	0.55	0.88	5.10	7.18	25.00	12.00	5.00	0.92	0.38	0.20	0.08	
26	0.08	0.48	0.88	32.20	7.18	22.80	10.00	4.22	0.74	0.38	0.20	0.08	
27	0.04	0.48	1.26	9.64	11.53	21.70	9.00	4.22	0.74	0.38	0.20	0.08	
28	0.04	1.58	11.26	6.30	7.90	21.70	8.00	4.22	0.74	0.20	0.20	0.08	
29	0.04	17.25	6.30	7.42	6.30	21.70	8.00	3.83	1.10	0.20	0.16	0.08	
30	0.04	2.62	2.98	14.36	5.10	21.70	7.00	3.83	1.10	0.20		0.08	
31		1.50		9.10	4.90		7.00		1.10	0.20		0.08	
TOTAL	3.45	73.45	79.10	193.86	435.97	895.55	572.20	204.32	62.09	15.47	11.98	4.31	2551.75 CMSDAY
MEAN	0.11	2.37	2.64	6.25	14.06	29.85	18.46	6.81	2.00	0.50	0.41	0.14	6.97 CMS
MAX	1.74	17.25	11.26	51.50	92.70	190.30	31.50	15.00	3.83	1.10	5.00	0.47	190.30 CMS
MIN	0.04	0.04	0.66	0.99	2.38	4.38	7.00	3.83	0.74	0.20	0.00	0.08	0.00 CMS
RUNOFF	0.298	6.346	6.834	16.750	37.668	77.376	49.438	17.653	5.365	1.337	1.035	0.372	220.471 MCM

MOMENTARY PEAK 581.50 CMS, AT 6.04 M (A.D), AT 17.00 HOURS, ON SEP 18, 1983

RUNOFF YIELD 11.68 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 974.04 LITERS/SECOND/SQUARE KM

WATER YEAR 1983

YOM RIVER BASIN

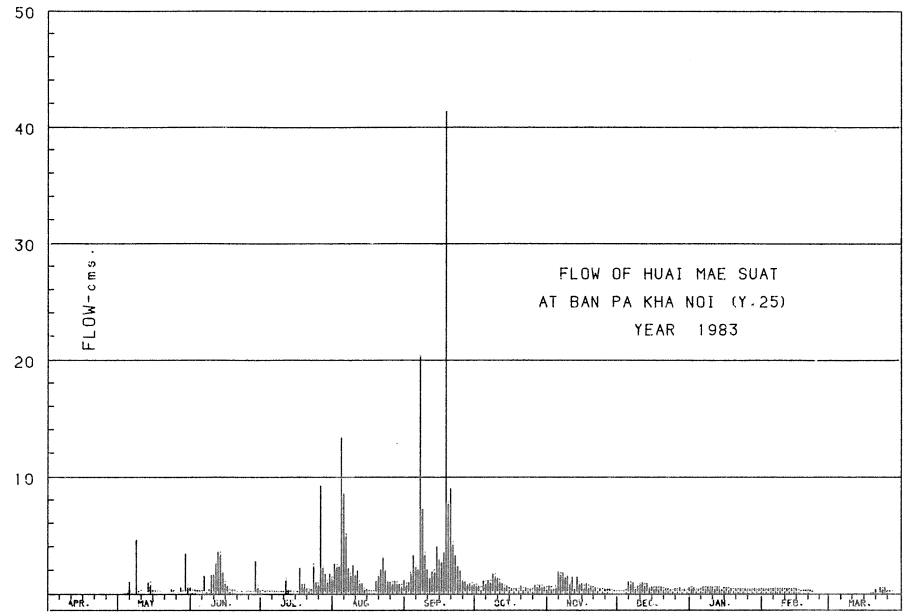
NAM MAE SUAT AT BAN PA KHA NOI, NAN (Y.25)

LOCATION	LAT. 18°-50'-28" N., LONG. 100°-25'-55" E., ON LEFT BANK AT THE BRIDGE OF PHAYAO-NAN HIGHWAY AND ABOUT 1.5 KILOMETERS FROM KING AMPHOE BAN LUANG, TAMBON PA KHA LUANG, KING AMPHOE BAN LUANG, NAN.
DRAINAGE AREA	203 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM	+0.00 M.(A.D.)
BENCH MARK	B.M.-H.D.
LOCATION	ON LEFT BANK ABOUT 6 METERS FROM THE ABUTMENT OF THE BRIDGE.
ELEVATION	+4.637 M.(A.D.)
GAGE READING FREQUENCY	5-TIME DAILY READINGS AT 06.00, 09.00, 12.00, 15.00 AND 18.00 HOURS.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 5 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1980 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1980 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1980 TO DATE.
STABILITY OF CHANNEL REGIMES	STABLE.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS FAIR. STAGE-DISCHARGE RELATION DEFINED BY 22 DISCHARGE MEASUREMENTS MADE IN 1983.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.03	0.03	0.18	0.15	0.44	0.27	0.25	0.23	0.14	0.22	0.19	0.07	
2	0.03	0.03	0.17	0.14	0.44	0.27	0.23	0.22	0.14	0.21	0.18	0.07	
3	0.03	0.05	0.15	0.14	0.42	0.38	0.22	0.18	0.15	0.18	0.19	0.07	
4	0.03	0.05	0.15	0.14	0.99	0.50	0.29	0.24	0.17	0.18	0.19	0.07	
5	0.03	0.28	0.15	0.14	0.79	0.44	0.29	0.38	0.28	0.20	0.20	0.07	
6	0.03	0.06	0.34	0.14	0.62	0.40	0.30	0.37	0.28	0.22	0.20	0.07	
7	0.03	0.05	0.17	0.13	0.41	1.21	0.30	0.37	0.27	0.22	0.20	0.05	
8	0.03	0.60	0.18	0.13	0.37	0.73	0.36	0.35	0.22	0.22	0.20	0.05	
9	0.03	0.14	0.38	0.13	0.43	0.52	0.36	0.34	0.23	0.22	0.20	0.05	
10	0.03	0.15	0.35	0.13	0.37	0.40	0.32	0.28	0.28	0.22	0.19	0.04	
11	0.03	0.11	0.46	0.32	0.39	0.35	0.31	0.33	0.27	0.22	0.19	0.04	
12	0.03	0.10	0.52	0.15	0.30	0.38	0.26	0.22	0.26	0.22	0.19	0.04	
13	0.03	0.27	0.52	0.14	0.26	0.40	0.24	0.33	0.26	0.22	0.19	0.02	
14	0.03	0.28	0.37	0.13	0.21	0.55	0.23	0.28	0.24	0.17	0.20	0.02	
15	0.03	0.16	0.29	0.13	0.18	0.49	0.21	0.26	0.22	0.21	0.19	0.02	
16	0.03	0.14	0.23	0.13	0.15	0.45	0.20	0.24	0.22	0.21	0.17	0.02	
17	0.03	0.14	0.18	0.43	0.15	0.53	0.19	0.26	0.22	0.21	0.15	0.02	
18	0.03	0.13	0.17	0.25	0.15	1.71	0.20	0.24	0.22	0.20	0.15	0.06	
19	0.03	0.12	0.16	0.25	0.29	0.76	0.20	0.23	0.22	0.19	0.16	0.06	
20	0.03	0.12	0.13	0.19	0.36	0.81	0.23	0.22	0.21	0.19	0.16	0.17	
21	0.04	0.11	0.13	0.19	0.40	0.58	0.21	0.21	0.20	0.19	0.16	0.08	
22	0.05	0.11	0.13	0.18	0.50	0.50	0.21	0.20	0.19	0.19	0.13	0.21	
23	0.04	0.17	0.13	0.44	0.39	0.45	0.20	0.19	0.17	0.19	0.09	0.21	
24	0.04	0.15	0.13	0.27	0.31	0.39	0.19	0.19	0.18	0.19	0.09	0.21	
25	0.03	0.12	0.13	0.27	0.28	0.32	0.20	0.18	0.20	0.18	0.08	0.14	
26	0.03	0.11	0.13	0.82	0.28	0.28	0.24	0.18	0.20	0.18	0.08	0.14	
27	0.03	0.21	0.13	0.43	0.29	0.28	0.24	0.18	0.21	0.18	0.08	0.14	
28	0.03	0.14	0.46	0.36	0.28	0.26	0.24	0.17	0.16	0.20	0.08	0.10	
29	0.03	0.51	0.24	0.30	0.25	0.27	0.24	0.15	0.18	0.18	0.07	0.10	
30	0.03	0.25	0.15	0.36	0.25	0.25	0.22	0.14	0.18	0.19		0.10	
31		0.21		0.33	0.30		0.22		0.21	0.20		0.07	
MEAN	0.03	0.16	0.23	0.24	0.36	0.50	0.25	0.25	0.21	0.20	0.16	0.08	
MAX	0.05	0.60	0.52	0.82	0.99	1.71	0.36	0.38	0.28	0.22	0.20	0.21	1.71
MIN	0.03	0.03	0.13	0.13	0.15	0.25	0.19	0.14	0.14	0.17	0.07	0.02	0.02

ANNUAL MAX MOMENTARY GAGE HEIGHT 2.70 M (A.D), AT 11.00 HOURS, ON SEP 18, 1983
ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D), RIVER BED -0.15 M (A.D)
LEFT BANK ELEVATION 6.55 M (A.D)
RIGHT BANK ELEVATION 6.55 M (A.D), DRAINAGE AREA 203 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.04	0.04	0.43	0.33	2.58	0.99	0.85	0.71	0.29	0.64	0.47	0.11	
2	0.04	0.04	0.40	0.29	2.58	0.99	0.71	0.64	0.29	0.57	0.43	0.11	
3	0.04	0.08	0.33	0.29	2.34	1.92	0.64	0.43	0.33	0.43	0.47	0.11	
4	0.04	0.08	0.33	0.29	13.53	3.30	1.13	0.78	0.40	0.43	0.47	0.11	
5	0.04	1.06	0.33	0.29	8.58	2.58	1.13	1.92	1.06	0.50	0.50	0.11	
6	0.04	0.09	1.56	0.29	5.16	2.10	1.20	1.83	1.06	0.64	0.50	0.11	
7	0.04	0.08	0.40	0.26	2.22	20.47	1.20	1.83	0.99	0.64	0.50	0.08	
8	0.04	4.80	0.43	0.26	1.83	7.26	1.74	1.65	0.64	0.64	0.50	0.08	
9	0.04	0.29	1.92	0.26	2.46	3.60	1.74	1.56	0.71	0.64	0.50	0.08	
10	0.04	0.33	1.65	0.26	1.83	2.10	1.38	1.06	1.06	0.64	0.47	0.06	
11	0.04	0.19	2.82	1.38	2.01	1.65	1.29	1.47	0.99	0.64	0.47	0.06	
12	0.04	0.15	3.60	0.33	1.20	1.92	0.92	0.64	0.92	0.64	0.47	0.06	
13	0.04	0.99	3.60	0.29	0.92	2.10	0.78	1.47	0.92	0.64	0.47	0.03	
14	0.04	1.06	1.83	0.26	0.57	4.05	0.71	1.06	0.78	0.40	0.50	0.03	
15	0.04	0.36	1.13	0.26	0.43	3.18	0.57	0.92	0.64	0.57	0.47	0.03	
16	0.04	0.29	0.71	0.26	0.33	2.70	0.50	0.78	0.64	0.57	0.40	0.03	
17	0.04	0.29	0.43	2.46	0.33	3.75	0.47	0.92	0.64	0.57	0.33	0.03	
18	0.04	0.26	0.40	0.85	0.33	41.38	0.50	0.78	0.64	0.50	0.33	0.09	
19	0.04	0.22	0.36	0.85	1.13	7.92	0.50	0.71	0.64	0.47	0.36	0.09	
20	0.04	0.22	0.26	0.47	1.74	9.03	0.71	0.64	0.57	0.47	0.36	0.40	
21	0.06	0.19	0.26	0.47	2.10	4.50	0.57	0.57	0.50	0.47	0.36	0.12	
22	0.08	0.19	0.26	0.43	3.30	3.30	0.57	0.50	0.47	0.47	0.26	0.57	
23	0.06	0.40	0.26	2.58	2.01	2.70	0.50	0.47	0.40	0.47	0.14	0.57	
24	0.06	0.33	0.26	0.99	1.29	2.01	0.47	0.47	0.43	0.47	0.14	0.57	
25	0.04	0.22	0.26	0.99	1.06	1.38	0.50	0.43	0.50	0.43	0.12	0.29	
26	0.04	0.19	0.26	9.26	1.06	1.06	0.78	0.43	0.50	0.43	0.12	0.29	
27	0.04	0.57	0.26	2.46	1.13	1.06	0.78	0.43	0.57	0.43	0.12	0.29	
28	0.04	0.29	2.82	1.74	1.06	0.92	0.78	0.40	0.36	0.50	0.12	0.15	
29	0.04	3.45	0.78	1.20	0.85	0.99	0.78	0.33	0.43	0.43	0.11	0.15	
30	0.04	0.85	0.33	1.74	0.85	0.85	0.64	0.29	0.43	0.47		0.15	
31		0.57		1.47	1.20		0.64		0.57	0.50		0.11	
TOTAL	1.30	18.17	28.67	33.56	68.01	141.76	25.68	26.12	19.37	16.31	10.46	5.07	394.48 CMSDAY
MEAN	0.04	0.59	0.96	1.08	2.19	4.73	0.83	0.87	0.62	0.53	0.36	0.16	1.08 CMS
MAX	0.08	4.80	3.60	9.26	13.53	41.38	1.74	1.92	1.06	0.64	0.50	0.57	41.38 CMS
MIN	0.04	0.04	0.26	0.26	0.33	0.85	0.47	0.29	0.29	0.40	0.11	0.03	0.03 CMS
RUNOFF	0.112	1.570	2.477	2.900	5.876	12.248	2.219	2.257	1.674	1.409	0.904	0.438	34.083 MCM

MOMENTARY PEAK 112.51 CMS, AT 2.70 M (A.D), AT 11.00 HOURS, ON SEP 18, 1983

RUNOFF YIELD 5.31 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 554.24 LITERS/SECOND/SQUARE KM

WATER YEAR 1983

YOM RIVER BASIN

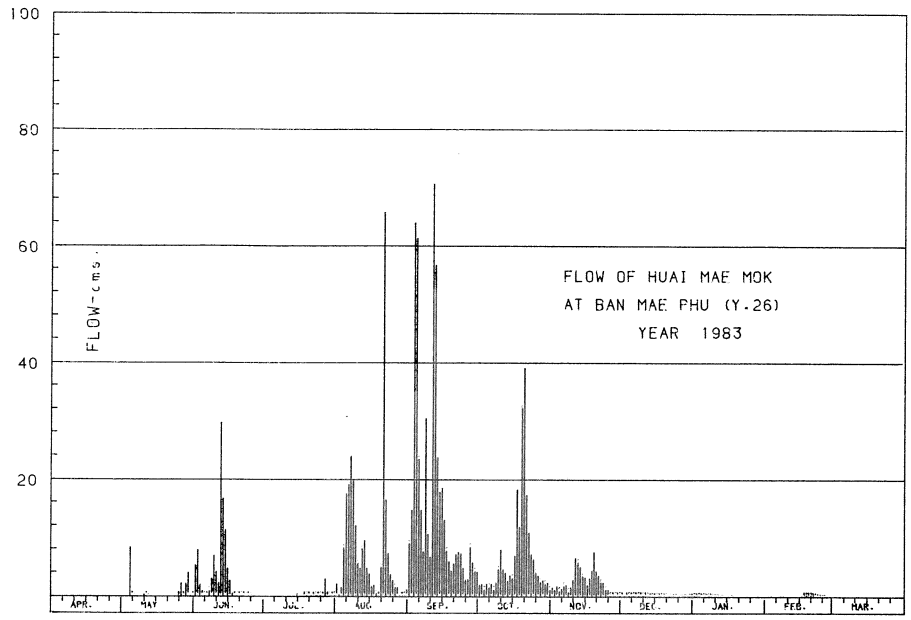
NAM MAE MOK AT BAN MAE PHU, LAMPANG (Y.26)

LOCATION	LAT. 17°-19'-45" N., LONG. 99°-27'-42" E., ON LEFT BANK DOWNSTREAM FROM BAN MAE PHU, TAMBON WIANG MOK, AMPHOE THOEN, LAMPANG.
DRAINAGE AREA	785 SQ.KM.
TYPE OF GAGE	WATER-STAGE RECORDER.
ZERO GAGE AT BOTTOM	+0.00 M. (A.D.)
BENCH MARK	B.M.-H.D.
LOCATION	ON LEFT BANK ALONG THE GAGE LINE.
ELEVATION	+8.00 M. (A.D.)
GAGE READING FREQUENCY	RECORDING.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 24 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1979 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1979 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1979 TO DATE.
STABILITY OF CHANNEL REGIMES	STABLE.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS GOOD. STAGE-DISCHARGE RELATION DEFINED BY 118 DISCHARGE MEASUREMENTS MADE IN 1983.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.15	0.00	1.30	0.81	1.07	1.48	1.09	1.04	0.96	0.88	0.80	0.82	
2	0.14	0.00	1.40	0.81	1.00	1.70	1.07	1.05	0.95	0.88	0.80	0.81	
3	0.13	0.01	1.09	0.81	1.04	3.07	1.05	1.05	0.94	0.88	0.81	0.80	
4	0.12	1.43	1.01	0.81	1.44	3.00	1.07	1.04	0.94	0.88	0.81	0.80	
5	0.11	0.98	0.96	0.81	1.80	2.02	1.07	1.03	0.94	0.88	0.81	0.79	
6	0.11	0.86	0.93	0.80	1.87	1.70	1.07	1.08	0.93	0.87	0.81	0.79	
7	0.10	0.82	1.04	0.80	2.02	1.41	1.05	1.06	0.93	0.87	0.81	0.78	
8	0.09	0.79	1.12	0.79	1.90	2.22	1.08	1.03	0.92	0.87	0.80	0.77	
9	0.09	0.79	1.38	0.78	1.59	1.55	1.25	1.04	0.92	0.86	0.79	0.76	
10	0.08	0.93	1.19	0.78	1.31	1.34	1.40	1.14	0.91	0.86	0.80	0.76	
11	0.08	0.90	1.11	0.78	1.23	3.22	1.25	1.33	0.90	0.85	0.79	0.75	
12	0.07	0.84	2.20	0.78	1.43	2.89	1.18	1.32	0.89	0.85	0.79	0.75	
13	0.06	0.82	1.79	0.77	1.48	2.03	1.13	1.24	0.88	0.84	0.78	0.74	
14	0.05	0.80	1.56	0.80	1.26	1.81	1.15	1.18	0.88	0.84	0.81	0.74	
15	0.04	0.79	1.26	0.85	1.17	1.85	1.16	1.13	0.88	0.84	0.80	0.74	
16	0.03	0.77	1.10	0.84	1.07	1.63	1.35	1.09	0.88	0.84	0.86	0.73	
17	0.03	0.77	1.02	0.84	1.06	1.42	1.84	1.12	0.88	0.83	0.99	0.73	
18	0.02	0.76	0.98	0.90	1.01	1.30	1.58	1.24	0.88	0.83	0.97	0.73	
19	0.01	0.73	0.95	0.95	0.98	1.24	2.28	1.38	0.87	0.83	0.94	0.73	
20	0.01	0.71	0.93	0.97	1.27	1.28	2.45	1.23	0.87	0.82	0.91	0.72	
21	0.00	0.70	0.91	1.00	3.10	1.39	1.81	1.15	0.86	0.82	0.89	0.71	
22	0.00	0.69	0.90	0.95	1.78	1.38	1.54	1.11	0.86	0.82	0.87	0.71	
23	0.00	0.68	0.88	0.92	1.37	1.40	1.39	1.08	0.86	0.81	0.86	0.70	
24	0.00	0.66	0.92	0.91	1.20	1.23	1.32	1.05	0.86	0.81	0.85	0.70	
25	0.00	0.92	0.87	0.93	1.10	1.14	1.22	1.02	0.85	0.81	0.85	0.69	
26	0.00	1.10	0.85	0.90	1.07	1.11	1.15	1.00	0.85	0.81	0.84	0.68	
27	0.00	0.92	0.84	1.15	1.04	1.45	1.12	0.99	0.85	0.81	0.83	0.67	
28	0.00	1.10	0.83	1.00	1.00	1.29	1.10	0.99	0.85	0.81	0.83	0.66	
29	0.00	1.18	0.82	0.90	0.96	1.23	1.10	0.97	0.85	0.81	0.83	0.65	
30	0.00	0.99	0.82	0.90	0.94	1.19	1.08	0.96	0.86	0.80		0.64	
31		0.92		0.92	1.02		1.05		0.87	0.80		0.63	
MEAN	0.05	0.79	1.10	0.87	1.34	1.70	1.30	1.10	0.89	0.84	0.84	0.73	
MAX	0.15	1.43	2.20	1.15	3.10	3.22	2.45	1.38	0.96	0.88	0.99	0.82	3.22
MIN	0.00	0.00	0.82	0.77	0.94	1.11	1.05	0.96	0.85	0.80	0.78	0.63	0.00

ANNUAL MAX MOMENTARY GAGE HEIGHT 4.08 M (A.D), AT 8.00 HOURS, ON SEP 11, 1983
ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D), RIVER BED 0.47 M (A.D)
LEFT BANK ELEVATION 7.71 M (A.D)
RIGHT BANK ELEVATION 7.77 M (A.D), DRAINAGE AREA 785 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.00	0.00	6.00	0.17	2.20	9.60	2.60	1.60	0.80	0.66	0.10	0.24	
2	0.00	0.00	8.00	0.17	0.80	14.80	2.20	1.80	0.80	0.66	0.10	0.17	
3	0.00	0.00	2.60	0.17	1.60	64.48	1.80	1.80	0.80	0.66	0.17	0.10	
4	0.00	8.60	1.00	0.17	8.80	61.40	2.20	1.60	0.80	0.66	0.17	0.10	
5	0.00	0.80	0.80	0.17	17.60	24.00	2.20	1.40	0.80	0.66	0.17	0.09	
6	0.00	0.52	0.80	0.10	19.56	14.80	2.20	2.40	0.80	0.59	0.17	0.09	
7	0.00	0.24	1.60	0.10	24.00	8.20	1.80	2.00	0.80	0.59	0.17	0.08	
8	0.00	0.09	3.12	0.09	20.40	30.52	2.40	1.40	0.80	0.59	0.10	0.07	
9	0.00	0.09	7.60	0.08	12.16	11.20	5.20	1.60	0.80	0.52	0.09	0.06	
10	0.00	0.80	4.24	0.08	6.20	6.80	8.00	3.44	0.80	0.52	0.10	0.06	
11	0.00	0.80	2.96	0.08	4.88	71.12	5.20	6.60	0.80	0.45	0.09	0.05	
12	0.00	0.38	29.80	0.08	8.60	56.78	4.08	6.40	0.73	0.45	0.09	0.05	
13	0.00	0.24	17.32	0.07	9.60	24.30	3.28	5.04	0.66	0.38	0.08	0.04	
14	0.00	0.10	11.44	0.10	5.36	17.88	3.60	4.08	0.66	0.38	0.17	0.04	
15	0.00	0.09	5.36	0.45	3.92	19.00	3.76	3.28	0.66	0.38	0.10	0.04	
16	0.00	0.07	2.80	0.38	2.20	13.12	7.00	2.60	0.66	0.38	0.52	0.03	
17	0.00	0.07	1.20	0.38	2.00	8.40	18.72	3.12	0.66	0.31	0.80	0.03	
18	0.00	0.06	0.80	0.80	1.00	6.00	11.92	5.04	0.66	0.31	0.80	0.03	
19	0.00	0.03	0.80	0.80	0.80	5.04	32.68	7.60	0.59	0.31	0.80	0.03	
20	0.00	0.01	0.80	0.80	5.52	5.68	39.10	4.88	0.59	0.24	0.80	0.02	
21	0.00	0.00	0.80	0.80	65.80	7.80	17.88	3.60	0.52	0.24	0.73	0.01	
22	0.00	0.00	0.80	0.80	17.04	7.60	10.96	2.96	0.52	0.24	0.59	0.01	
23	0.00	0.00	0.66	0.80	7.40	8.00	7.80	2.40	0.52	0.17	0.52	0.00	
24	0.00	0.00	0.80	0.80	4.40	4.88	6.40	1.80	0.52	0.17	0.45	0.00	
25	0.00	0.80	0.59	0.80	2.80	3.44	4.72	1.20	0.45	0.17	0.45	0.00	
26	0.00	2.80	0.45	0.80	2.20	2.96	3.60	0.80	0.45	0.17	0.38	0.00	
27	0.00	0.80	0.38	3.60	1.60	9.00	3.12	0.80	0.45	0.17	0.31	0.00	
28	0.00	2.80	0.31	0.80	0.80	5.84	2.80	0.80	0.45	0.17	0.31	0.00	
29	0.00	4.08	0.24	0.80	0.80	4.88	2.80	0.80	0.45	0.17	0.31	0.00	
30	0.00	0.80	0.24	0.80	0.80	4.24	2.40	0.80	0.52	0.10		0.00	
31		0.80		0.80	1.20		1.80		0.59	0.10		0.00	
TOTAL	0.00	25.87	114.31	16.84	262.04	531.76	224.22	83.64	20.11	11.57	9.64	1.44	1301.44 CMSDAY
MEAN	0.00	0.83	3.81	0.54	8.45	17.73	7.23	2.79	0.65	0.37	0.33	0.05	3.56 CMS
MAX	0.00	8.60	29.80	3.60	65.80	71.12	39.10	7.60	0.80	0.66	0.80	0.24	71.12 CMS
MIN	0.00	0.00	0.24	0.07	0.80	2.96	1.80	0.80	0.45	0.10	0.08	0.00	0.00 CMS
RUNOFF	0.000	2.235	9.876	1.455	22.640	45.944	19.373	7.226	1.738	1.000	0.833	0.124	112.444 MCM

MOMENTARY PEAK 112.60 CMS, AT 4.08 M (A.D), AT 8.00 HOURS, ON SEP 11, 1983
RUNOFF YIELD 4.53 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 143.44 LITERS/SECOND/SQUARE KM

WATER YEAR 1983

YOM RIVER BASIN

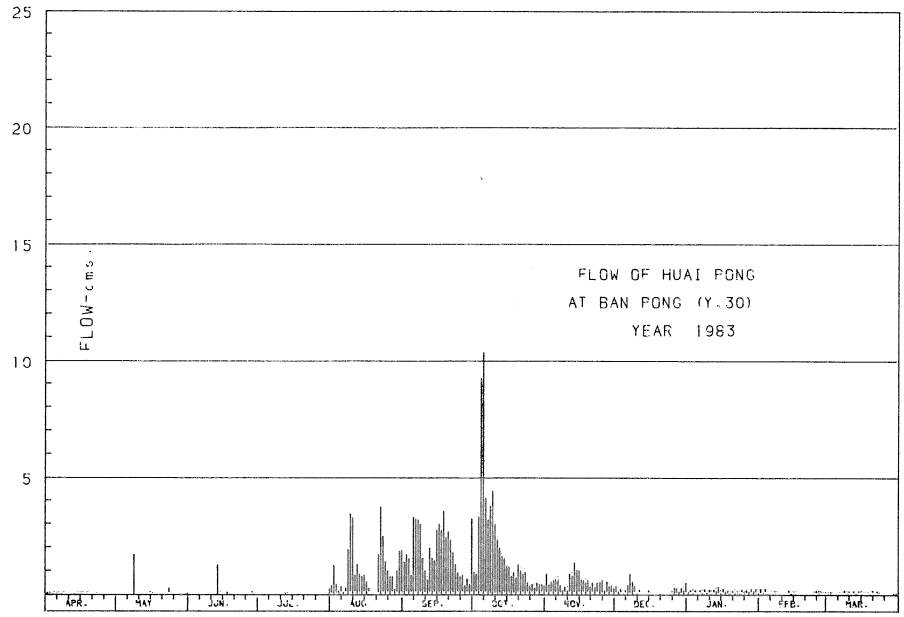
HUAI PONG AT BAN PONG, LAMPANG (Y.30)

LOCATION	LAT. 18°-42′-59″ N., LONG. 99°-57′-40″ E., ON RIGHT BANK AT THE BRIDGE ON HIGHWAY, TAMBON MAE PONG, AMPHOE NGAO, LAMPANG.
DRAINAGE AREA	96 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM	+0.00 M.(A.D.)
BENCH MARK	B.M.-H.D.
LOCATION	ON RIGHT BANK ABOUT 25 METERS FROM THE TOP OF STAFF GAGE.
ELEVATION	+6.62 M.(A.D.)
GAGE READING FREQUENCY	5-TIME DAILY READINGS AT 06.00, 09.00, 12.00, 15.00 AND 18.00 HOURS
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 5 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1983 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1983 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1983 TO DATE.
STABILITY OF CHANNEL REGIMES	STABLE.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS GOOD. STAGE-DISCHARGE RELATION DEFINED BY 24 DISCHARGE MEASUREMENTS MADE IN 1983.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.40	0.32	0.36	0.36	0.50	0.67	0.62	0.59	0.49	0.44	0.45	0.41	
2	0.39	0.33	0.35	0.36	0.65	0.69	0.59	0.53	0.47	0.43	0.44	0.41	
3	0.39	0.32	0.32	0.36	0.51	0.69	0.86	0.53	0.45	0.44	0.45	0.41	
4	0.40	0.33	0.34	0.36	0.48	0.58	1.32	0.57	0.43	0.43	0.43	0.40	
5	0.40	0.34	0.33	0.34	0.49	0.86	1.40	0.55	0.43	0.43	0.41	0.41	
6	0.39	0.31	0.32	0.34	0.46	0.84	0.92	0.57	0.53	0.43	0.42	0.41	
7	0.40	0.30	0.29	0.34	0.46	0.85	0.85	0.50	0.59	0.44	0.42	0.41	
8	0.39	0.70	0.31	0.35	0.73	0.82	0.89	0.48	0.55	0.44	0.42	0.43	
9	0.39	0.38	0.37	0.34	0.86	0.69	0.96	0.48	0.49	0.45	0.40	0.42	
10	0.39	0.33	0.35	0.35	0.86	0.61	0.82	0.48	0.43	0.44	0.39	0.42	
11	0.38	0.30	0.36	0.35	0.58	0.57	0.77	0.59	0.44	0.43	0.39	0.42	
12	0.40	0.32	0.36	0.37	0.66	0.72	0.72	0.60	0.42	0.44	0.39	0.42	
13	0.39	0.31	0.65	0.36	0.59	0.69	0.70	0.65	0.40	0.47	0.43	0.43	
14	0.39	0.31	0.42	0.35	0.60	0.66	0.67	0.63	0.40	0.48	0.44	0.42	
15	0.40	0.41	0.41	0.37	0.58	0.81	0.65	0.61	0.43	0.43	0.42	0.42	
16	0.40	0.38	0.40	0.36	0.56	0.82	0.63	0.57	0.41	0.45	0.42	0.41	
17	0.40	0.36	0.45	0.36	0.46	0.81	0.60	0.54	0.40	0.46	0.39	0.41	
18	0.40	0.32	0.34	0.36	0.43	0.87	0.60	0.55	0.39	0.43	0.38	0.41	
19	0.39	0.31	0.32	0.36	0.41	0.78	0.59	0.54	0.39	0.42	0.37	0.42	
20	0.40	0.31	0.35	0.37	0.40	0.79	0.64	0.52	0.42	0.42	0.37	0.43	
21	0.40	0.31	0.36	0.37	0.69	0.77	0.63	0.52	0.39	0.44	0.38	0.42	
22	0.37	0.37	0.35	0.37	0.90	0.70	0.59	0.51	0.39	0.42	0.37	0.42	
23	0.34	0.46	0.37	0.37	0.77	0.66	0.62	0.52	0.39	0.43	0.39	0.40	
24	0.31	0.38	0.37	0.36	0.67	0.60	0.52	0.55	0.41	0.44	0.41	0.39	
25	0.30	0.39	0.36	0.38	0.61	0.60	0.53	0.54	0.42	0.41	0.43	0.38	
26	0.31	0.34	0.36	0.37	0.60	0.58	0.51	0.47	0.51	0.43	0.42	0.38	
27	0.32	0.34	0.38	0.37	0.57	0.53	0.51	0.53	0.46	0.46	0.42	0.38	
28	0.31	0.36	0.41	0.37	0.50	0.55	0.52	0.52	0.46	0.45	0.41	0.38	
29	0.33	0.38	0.39	0.37	0.61	0.54	0.54	0.50	0.46	0.46	0.41	0.43	
30	0.32	0.32	0.36	0.35	0.72	0.84	0.51	0.51	0.48	0.45		0.39	
31		0.37		0.48	0.71		0.53		0.52	0.44		0.39	
MEAN	0.37	0.36	0.37	0.36	0.60	0.71	0.70	0.54	0.45	0.44	0.41	0.41	
MAX	0.40	0.70	0.65	0.48	0.90	0.87	1.40	0.65	0.59	0.48	0.45	0.43	1.40
MIN	0.30	0.30	0.29	0.34	0.40	0.53	0.51	0.47	0.39	0.41	0.37	0.38	0.29

ANNUAL MAX MOMENTARY GAGE HEIGHT 1.52 M (A.D), AT 10.00 HOURS, ON OCT 5, 1983
ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D), RIVER BED 0.08 M (A.D)
LEFT BANK ELEVATION 9.48 M (A.D)
RIGHT BANK ELEVATION 9.52 M (A.D), DRAINAGE AREA 96 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.10	0.02	0.06	0.06	0.40	1.55	1.12	0.89	0.37	0.22	0.25	0.13	
2	0.09	0.03	0.05	0.06	1.37	1.72	0.89	0.56	0.31	0.19	0.22	0.13	
3	0.09	0.02	0.02	0.06	0.45	1.72	3.46	0.56	0.25	0.22	0.25	0.13	
4	0.10	0.03	0.04	0.06	0.34	0.84	9.26	0.78	0.19	0.19	0.19	0.10	
5	0.10	0.04	0.03	0.04	0.37	3.46	10.50	0.68	0.19	0.19	0.13	0.13	
6	0.09	0.01	0.02	0.04	0.28	3.24	4.13	0.78	0.56	0.19	0.16	0.13	
7	0.10	0.00	0.00	0.04	0.28	3.35	3.35	0.40	0.89	0.22	0.16	0.13	
8	0.09	1.80	0.01	0.05	2.10	3.02	3.79	0.34	0.68	0.22	0.16	0.19	
9	0.09	0.08	0.07	0.04	3.46	1.72	4.59	0.34	0.37	0.25	0.10	0.16	
10	0.09	0.03	0.05	0.05	3.46	1.03	3.02	0.34	0.19	0.22	0.09	0.16	
11	0.08	0.00	0.06	0.05	0.84	0.78	2.50	0.89	0.22	0.19	0.09	0.16	
12	0.10	0.02	0.06	0.07	1.46	2.00	2.00	0.95	0.16	0.22	0.09	0.16	
13	0.09	0.01	1.37	0.06	0.89	1.72	1.80	1.37	0.10	0.31	0.19	0.19	
14	0.09	0.01	0.16	0.05	0.95	1.46	1.55	1.20	0.10	0.34	0.22	0.16	
15	0.10	0.13	0.13	0.07	0.84	2.91	1.37	1.03	0.19	0.19	0.16	0.16	
16	0.10	0.08	0.10	0.06	0.73	3.02	1.20	0.78	0.13	0.25	0.16	0.13	
17	0.10	0.06	0.25	0.06	0.28	2.91	0.95	0.62	0.10	0.28	0.09	0.13	
18	0.10	0.02	0.04	0.06	0.19	3.57	0.95	0.68	0.09	0.19	0.08	0.13	
19	0.09	0.01	0.02	0.06	0.13	2.60	0.89	0.62	0.09	0.16	0.07	0.16	
20	0.10	0.01	0.05	0.07	0.10	2.70	1.29	0.51	0.16	0.16	0.07	0.19	
21	0.10	0.01	0.06	0.07	1.72	2.50	1.20	0.51	0.09	0.22	0.08	0.16	
22	0.07	0.07	0.05	0.07	3.90	1.80	0.89	0.45	0.09	0.16	0.07	0.16	
23	0.04	0.28	0.07	0.07	2.50	1.46	1.12	0.51	0.09	0.19	0.09	0.10	
24	0.01	0.08	0.07	0.06	1.55	0.95	0.51	0.68	0.13	0.22	0.13	0.09	
25	0.00	0.09	0.06	0.08	1.03	0.95	0.56	0.62	0.16	0.13	0.19	0.08	
26	0.01	0.04	0.06	0.07	0.95	0.84	0.45	0.31	0.45	0.19	0.16	0.08	
27	0.02	0.04	0.08	0.07	0.78	0.56	0.45	0.56	0.28	0.28	0.16	0.08	
28	0.01	0.06	0.13	0.07	0.40	0.68	0.51	0.51	0.28	0.25	0.13	0.08	
29	0.03	0.08	0.09	0.07	1.03	0.62	0.62	0.40	0.28	0.28	0.13	0.19	
30	0.02	0.02	0.06	0.05	2.00	3.24	0.45	0.45	0.34	0.25		0.09	
31		0.07		0.34	1.90		0.56		0.51	0.22		0.09	
TOTAL	2.20	3.25	3.32	2.13	36.68	58.92	65.93	19.32	8.04	6.79	4.07	4.16	214.81 CMSDAY
MEAN	0.07	0.10	0.11	0.07	1.18	1.96	2.13	0.64	0.26	0.22	0.14	0.13	0.59 CMS
MAX	0.10	1.80	1.37	0.34	3.90	3.57	10.50	1.37	0.89	0.34	0.25	0.19	10.50 CMS
MIN	0.00	0.00	0.00	0.04	0.10	0.56	0.45	0.31	0.09	0.13	0.07	0.08	0.00 CMS
RUNOFF	0.190	0.281	0.287	0.184	3.169	5.091	5.696	1.669	0.695	0.587	0.352	0.359	18.560 MCM

MOMENTARY PEAK 12.69 CMS, AT 1.52 M (A.D), AT 10.00 HOURS, ON OCT 5, 1983

RUNOFF YIELD 6.11 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 132.19 LITERS/SECOND/SQUARE KM

WATER YEAR 1983

NAN RIVER BASIN

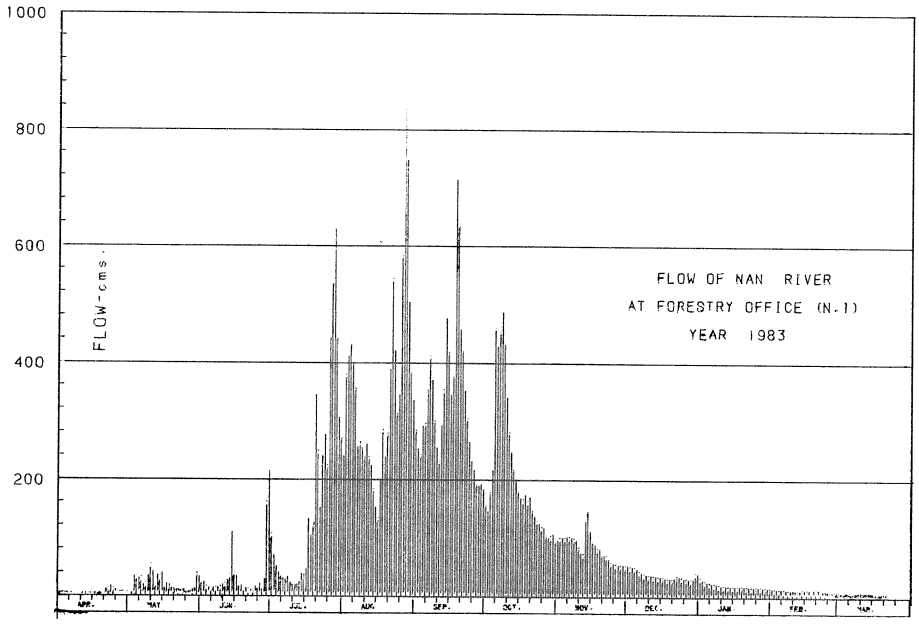
NAN RIVER AT NAN, NAN (N.1)

LOCATION	LAT. 18°-46'-23" N., LONG. 100°-46'-51" E., ON RIGHT BANK INFRONT OF FORESTRY OFFICE, AMPHOE MUANG, NAN.
DRAINAGE AREA	4,609 SQ.KM.
TYPE OF GAGE	WATER-STAGE RECORDER.
ZERO GAGE AT BOTTOM	+192.17 M. (M.S.L.)
BENCH MARK	B.M.-H.D.
LOCATION	ON WEST SIDE OF AUTOMATIC GAGE BUILDING.
ELEVATION	+199.204 M. (M.S.L.)
GAGE READING FREQUENCY	RECORDING.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 24 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1922-1956, 1962 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1954-1956, 1979 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1954-1956, 1979 TO DATE.
STABILITY OF CHANNEL REGIMES	STABLE.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW
GENERAL DESCRIPTION	RECORDS GOOD. STAGE-DISCHARGE RELATION DEFINED BY 46 DISCHARGE MEASUREMENTS MADE IN 1983.

GAGE HEIGHT IN METER (MSL), WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	192.72	192.71	193.08	193.63	194.38	194.60	193.96	193.56	193.27	193.11	192.90	192.77	
2	192.72	192.85	193.02	193.39	195.02	194.44	193.88	193.59	193.26	193.07	192.89	192.76	
3	192.72	193.11	192.93	193.25	195.16	194.39	194.08	193.59	193.25	193.05	192.88	192.75	
4	192.71	193.12	192.90	193.17	195.26	194.63	194.26	193.59	193.25	193.03	192.88	192.75	
5	192.71	193.08	192.90	193.11	195.11	194.65	195.36	193.60	193.23	193.02	192.88	192.75	
6	192.70	193.10	192.90	193.09	194.92	194.91	195.23	193.60	193.20	193.01	192.87	192.75	
7	192.69	192.96	192.91	193.06	194.46	195.16	195.33	193.59	193.18	193.00	192.85	192.76	
8	192.69	193.00	192.91	193.11	194.50	194.98	195.47	193.58	193.16	193.00	192.85	192.77	
9	192.69	193.12	192.93	193.01	194.45	194.67	195.27	193.56	193.15	192.98	192.84	192.77	
10	192.69	193.28	192.97	192.97	194.39	194.45	194.85	193.48	193.14	192.96	192.84	192.76	
11	192.69	193.18	193.00	192.96	194.48	194.34	194.58	193.42	193.14	192.96	192.84	192.76	
12	192.69	192.99	193.05	192.98	194.37	194.64	194.41	193.41	193.13	192.96	192.83	192.76	
13	192.69	193.13	193.14	193.02	194.30	194.91	194.28	193.78	193.13	192.95	192.83	192.75	
14	192.69	193.12	193.65	193.15	194.09	195.43	194.18	193.90	193.12	192.95	192.87	192.75	
15	192.69	193.16	193.18	193.14	193.92	195.19	194.09	193.66	193.12	192.95	192.86	192.75	
16	192.69	192.99	193.12	193.22	193.81	194.87	194.01	193.57	193.11	192.95	192.86	192.75	
17	192.69	192.99	193.02	193.78	194.17	195.02	194.00	193.51	193.10	192.95	192.86	192.74	
18	192.69	192.95	192.95	193.61	194.60	196.37	194.04	193.47	193.09	192.95	192.86	192.74	
19	192.69	192.88	192.92	193.75	194.37	196.08	193.98	193.46	193.09	192.95	192.87	192.73	
20	192.71	192.85	192.89	194.87	194.57	195.35	194.02	193.42	193.09	192.95	192.87	192.73	
21	192.84	192.83	192.87	194.43	195.06	195.21	193.91	193.39	193.10	192.94	192.87	192.72	
22	192.88	192.82	192.84	193.91	195.70	194.90	193.83	193.39	193.13	192.94	192.86	192.71	
23	192.93	192.80	192.86	194.41	195.20	194.69	193.78	193.35	193.12	192.93	192.82	192.71	
24	192.88	192.81	192.93	194.56	194.73	194.50	193.75	193.31	193.11	192.93	192.81	192.71	
25	192.82	192.75	192.99	194.30	194.87	194.37	193.71	193.30	193.09	192.93	192.80	192.71	
26	192.78	192.73	192.99	195.29	195.86	194.26	193.70	193.29	193.09	192.93	192.78	192.70	
27	192.76	192.75	192.98	195.69	196.94	194.15	193.62	193.28	193.08	192.93	192.78	192.70	
28	192.76	192.81	193.07	196.04	196.52	194.12	193.59	193.28	193.08	192.92	192.79	192.69	
29	192.75	192.87	193.97	195.31	195.54	194.17	193.61	193.28	193.08	192.92	192.79	192.69	
30	192.74	193.16	194.25	194.70	195.06	194.09	193.63	193.27	193.17	192.91		192.69	
31		193.11		194.56	194.83		193.57		193.16	192.91		192.69	
MEAN	192.74	192.97	193.07	193.85	194.86	194.78	194.19	193.48	193.14	192.97	192.85	192.73	
MAX	192.93	193.28	194.25	196.04	196.94	196.37	195.47	193.90	193.27	193.11	192.90	192.77	196.94
MIN	192.69	192.71	192.84	192.96	193.81	194.09	193.57	193.27	193.08	192.91	192.78	192.69	192.69

ANNUAL MAX MOMENTARY GAGE HEIGHT 197.32 M (MSL), AT 24.00 HOURS, ON AUG 27, 1983
ZERO GAGE AT BOTTOM ELEVATION 192.17 M (MSL), RIVER BED 190.04 M (MSL)
LEFT BANK ELEVATION 199.94 M (MSL)
RIGHT BANK ELEVATION 199.77 M (MSL), DRAINAGE AREA 4609 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	6.0	5.5	31.0	107.5	241.0	285.0	160.2	97.0	54.1	34.2	15.0	8.5	
2	6.0	12.5	25.0	71.5	379.6	253.0	146.6	101.5	52.8	30.0	14.5	8.0	
3	6.0	34.2	17.4	51.5	411.8	243.0	182.2	101.5	51.5	28.0	14.0	7.5	
4	5.5	35.4	15.0	41.4	435.4	291.6	217.0	101.5	51.5	26.0	14.0	7.5	
5	5.5	31.0	15.0	34.2	400.3	296.0	459.4	103.0	48.9	25.0	14.0	7.5	
6	5.0	33.0	15.0	32.0	356.6	354.3	428.2	103.0	45.0	24.0	13.5	7.5	
7	4.5	19.8	15.8	29.0	257.0	411.8	452.2	101.5	42.6	23.0	12.5	8.0	
8	4.5	23.0	15.8	34.2	265.0	370.4	486.5	100.0	40.2	23.0	12.5	8.5	
9	4.5	35.4	17.4	24.0	255.0	300.4	437.8	97.0	39.0	21.4	12.0	8.5	
10	4.5	55.4	20.6	20.6	243.0	255.0	340.5	85.0	37.8	19.8	12.0	8.0	
11	4.5	42.6	23.0	19.8	261.0	233.0	281.0	76.0	37.8	19.8	12.0	8.0	
12	4.5	22.2	28.0	21.4	239.0	293.8	247.0	74.5	36.6	19.8	11.5	8.0	
13	4.5	36.6	37.8	25.0	225.0	354.3	221.0	130.0	36.6	19.0	11.5	7.5	
14	4.5	35.4	110.5	39.0	184.1	476.5	201.2	150.0	35.4	19.0	13.5	7.5	
15	4.5	40.2	42.6	37.8	153.4	418.7	184.1	112.0	35.4	19.0	13.0	7.5	
16	4.5	22.2	35.4	47.6	134.7	345.1	168.9	98.5	34.2	19.0	13.0	7.5	
17	4.5	22.2	25.0	130.0	199.3	379.6	167.0	89.5	33.0	19.0	13.0	7.0	
18	4.5	19.0	19.0	104.5	285.0	714.2	174.6	83.5	32.0	19.0	13.0	7.0	
19	4.5	14.0	16.6	125.5	239.0	639.0	163.6	82.0	32.0	19.0	13.5	6.5	
20	5.5	12.5	14.5	345.1	279.0	457.0	170.8	76.0	32.0	19.0	13.5	6.5	
21	12.0	11.5	13.5	251.0	388.8	423.4	151.7	71.5	33.0	18.2	13.5	6.0	
22	14.0	11.0	12.0	151.7	544.0	352.0	138.1	71.5	36.6	18.2	13.0	5.5	
23	17.4	10.0	13.0	247.0	421.0	304.8	130.0	65.5	35.4	17.4	11.0	5.5	
24	14.0	10.5	17.4	277.0	313.6	265.0	125.5	59.5	34.2	17.4	10.5	5.5	
25	11.0	7.5	22.2	225.0	345.1	239.0	119.5	58.0	32.0	17.4	10.0	5.5	
26	9.0	6.5	22.2	442.6	584.0	217.0	118.0	56.7	32.0	17.4	9.0	5.0	
27	8.0	7.5	21.4	541.5	870.6	195.5	106.0	55.4	31.0	17.4	9.0	5.0	
28	8.0	10.5	30.0	629.0	754.4	189.8	101.5	55.4	31.0	16.6	9.5	4.5	
29	7.5	13.5	161.9	447.4	504.0	199.3	104.5	55.4	31.0	16.6	9.5	4.5	
30	7.0	40.2	215.0	307.0	388.8	184.1	107.5	54.1	41.4	15.8		4.5	
31		34.2		277.0	335.9		98.5		40.2	15.8		4.5	
TOTAL	205.9	715.0	1069.0	5137.8	10894.4	9941.6	6590.6	2566.0	1186.2	634.2	356.5	208.5	39505.7 CMSDAY
MEAN	6.9	23.1	35.6	165.7	351.4	331.4	212.6	85.5	38.3	20.5	12.3	6.7	107.9 CMS
MAX	17.4	55.4	215.0	629.0	870.6	714.2	486.5	150.0	54.1	34.2	15.0	8.5	870.6 CMS
MIN	4.5	5.5	12.0	19.8	134.7	184.1	98.5	54.1	31.0	15.8	9.0	4.5	4.5 CMS
RUNOFF	17.79	61.78	92.36	443.91	941.28	858.95	569.43	221.70	102.49	54.79	30.80	18.01	3413.29 MCM

MOMENTARY PEAK 980.80 CMS, AT 197.32 M (MSL), AT 24.00 HOURS, ON AUG 27, 1983

RUNOFF YIELD 23.42 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 212.80 LITERS/SECOND/SQUARE KM

WATER YEAR 1983

NAN RIVER BASIN

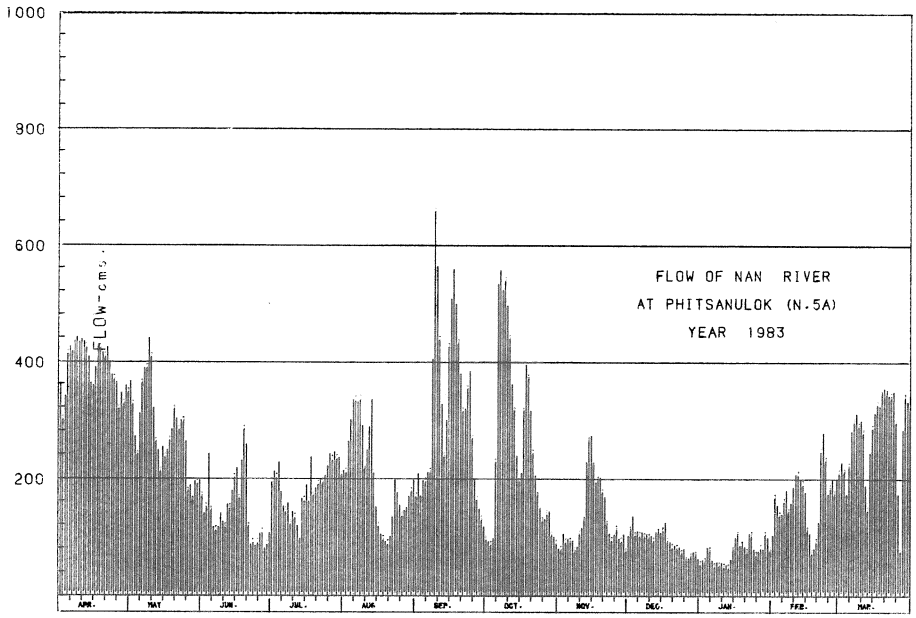
NAN RIVER AT PHITSANULOK, PHITSANULOK (N.5A)

LOCATION	LAT. 16°-49'-15" N., LONG. 100°-15'-49" E., ON LEFT BANK NEAR THE POST OFFICE AND ABOUT 1 KILOMETER UPSTREAM FROM GAGING STATION N.5, AMPHOE MUANG, PHITSANULOK.
DRAINAGE AREA	25,286 SQ.KM.
TYPE OF GAGE	WATER-STAGE RECORDER.
ZERO GAGE AT BOTTOM	+34.50 M. (M.S.L.)
BENCH MARK	B.M.-H.D.
LOCATION	NEAR AUTOMATIC GAGE BUILDING.
ELEVATION	+45.856 M. (M.S.L.)
GAGE READING FREQUENCY	RECORDING.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 24 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1963 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1966 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1966 TO DATE.
STABILITY OF CHANNEL REGIMES	STABLE.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS GOOD. FLOW REGULATED BY SIRIKIT DAM SINCE JUNE 5, 1971. STAGE-DISCHARGE RELATION DEFINED BY 51 DISCHARGE MEASUREMENTS MADE IN 1983.

GAGE HEIGHT IN METER (MSL), WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	38.23	38.25	36.64	36.88	37.01	36.64	35.83	35.55	35.83	35.26	35.84	37.02	
2	37.80	38.00	36.27	37.00	37.04	36.96	35.71	35.61	36.01	35.28	36.61	37.13	
3	38.07	37.53	36.46	36.96	37.46	36.65	35.71	35.87	36.21	35.33	36.42	37.05	
4	38.62	37.31	37.27	37.14	37.81	36.85	35.78	35.77	35.91	35.58	36.29	36.61	
5	38.67	37.84	36.39	36.72	38.02	36.89	37.18	35.77	35.93	35.59	36.25	37.12	
6	38.66	38.26	36.01	36.40	38.06	36.98	39.40	35.78	35.91	35.27	36.54	37.60	
7	38.74	38.41	36.02	36.37	37.99	37.04	39.60	35.73	35.91	35.20	36.68	37.77	
8	38.83	38.45	36.01	36.46	38.07	38.52	39.33	35.58	35.88	35.23	36.35	37.83	
9	38.73	38.78	36.26	36.13	37.68	40.25	39.47	35.60	35.87	35.22	36.46	37.71	
10	38.81	38.59	36.11	36.30	37.08	39.60	39.15	35.93	35.87	35.22	36.80	37.74	
11	38.74	37.91	36.07	36.26	37.33	38.80	38.81	35.99	35.83	35.19	36.95	37.63	
12	38.71	37.50	36.44	36.03	37.70	37.96	38.21	36.20	35.79	35.16	37.00	36.76	
13	38.55	37.33	36.44	35.85	38.02	37.28	37.91	37.14	35.91	35.17	36.88	36.39	
14	38.27	37.05	36.68	36.54	37.02	37.75	37.24	37.51	35.97	35.29	36.85	37.28	
15	38.20	37.38	36.95	36.57	36.39	38.71	36.89	37.54	35.90	35.59	36.65	37.68	
16	38.46	37.27	37.05	36.77	36.09	39.23	36.97	37.13	36.00	35.79	36.00	37.84	
17	38.68	37.33	36.60	36.56	35.87	39.61	37.90	36.82	36.09	35.91	35.88	38.00	
18	38.70	37.52	37.17	37.22	35.83	39.17	38.45	36.91	35.78	35.62	35.53	37.93	
19	38.60	37.63	37.67	36.64	35.71	38.76	38.33	36.90	35.70	35.71	35.56	38.16	
20	38.59	37.93	37.42	36.72	35.74	38.34	37.87	36.70	35.66	35.60	35.77	38.16	
21	38.67	37.77	36.08	36.84	35.82	37.91	37.33	36.57	35.63	35.55	36.10	38.14	
22	38.52	37.66	35.65	36.87	36.26	37.90	36.93	36.12	35.64	35.88	37.35	38.07	
23	38.33	37.75	35.76	36.88	36.86	38.19	36.65	35.88	35.59	35.91	37.58	38.10	
24	38.32	37.78	35.62	36.93	36.71	38.37	36.37	35.80	35.52	35.54	37.22	38.12	
25	38.24	37.46	35.76	37.14	36.42	37.54	36.19	35.86	35.55	35.48	36.62	37.74	
26	37.94	36.72	35.88	37.27	36.28	36.88	36.16	36.03	35.35	35.49	36.77	36.62	
27	38.11	36.77	35.97	37.24	36.32	36.58	36.31	35.77	35.32	35.64	36.88	35.55	
28	38.01	36.57	35.56	37.30	36.45	36.35	36.30	35.79	35.44	35.54	36.68	37.62	
29	38.20	36.84	35.72	37.25	36.58	36.21	35.91	35.86	35.47	35.91	36.86	38.09	
30	38.16	36.86	35.89	37.21	36.72	36.01	35.81	35.56	35.48	35.79		37.99	
31		36.86		36.99	36.88		35.74		35.31	35.59		37.91	
MEAN	38.44	37.59	36.33	36.76	36.88	37.80	37.27	36.18	35.75	35.50	36.53	37.53	
MAX	38.83	38.78	37.67	37.30	38.07	40.25	39.60	37.54	36.21	35.91	37.58	38.16	40.25
MIN	37.80	36.57	35.56	35.85	35.71	36.01	35.71	35.55	35.31	35.16	35.53	35.55	35.16

ANNUAL MAX MOMENTARY GAGE HEIGHT 40.85 M (MSL), AT 11.00 HOURS, ON SEP 9, 1983
ZERO GAGE AT BOTTOM ELEVATION 34.50 M (MSL), RIVER BED 32.53 M (MSL)
LEFT BANK ELEVATION 45.86 M (MSL)
RIGHT BANK ELEVATION 45.85 M (MSL), DRAINAGE AREA 25286 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	364.2	367.0	176.0	200.0	214.1	176.0	102.4	80.5	102.4	60.2	103.2	215.2	
2	307.0	333.0	141.3	213.0	217.4	208.6	92.8	84.8	117.9	61.6	173.0	227.3	
3	342.1	272.6	158.4	208.6	264.2	177.0	92.8	105.6	135.9	65.1	154.8	218.5	
4	418.8	247.1	242.7	228.4	308.3	197.0	98.4	97.6	108.9	82.6	143.1	173.0	
5	425.8	312.2	152.1	184.0	335.6	201.0	232.8	97.6	110.7	83.3	139.5	226.2	
6	424.4	368.4	117.9	153.0	340.8	210.8	534.0	98.4	108.9	60.9	166.0	281.0	
7	435.6	389.4	118.8	150.3	331.7	217.4	564.0	94.4	108.9	56.0	180.0	303.1	
8	448.5	395.0	117.9	158.4	342.1	404.8	523.5	82.6	106.4	58.1	148.5	310.9	
9	434.2	441.2	140.4	128.7	291.4	663.0	544.5	84.0	105.6	57.4	158.4	295.3	
10	445.5	414.6	126.9	144.0	221.8	564.0	496.5	110.7	105.6	57.4	192.0	299.2	
11	435.6	321.3	123.3	140.4	249.3	444.0	445.5	116.1	102.4	55.3	207.5	284.9	
12	431.4	269.0	156.6	119.7	294.0	327.8	361.4	135.0	99.2	53.2	213.0	188.0	
13	409.0	249.3	156.6	104.0	335.6	243.8	321.3	228.4	108.9	53.9	200.0	152.1	
14	369.8	218.5	180.0	166.0	215.2	300.5	239.4	270.2	114.3	62.3	197.0	243.8	
15	360.0	254.8	207.5	169.0	152.1	431.4	201.0	273.8	108.0	83.3	177.0	291.4	
16	396.4	242.7	218.5	189.0	125.1	508.5	209.7	227.3	117.0	99.2	117.0	312.2	
17	427.2	249.3	172.0	168.0	105.6	565.5	320.0	194.0	125.1	108.9	106.4	333.0	
18	430.0	271.4	231.7	237.2	102.4	499.5	395.0	203.1	98.4	85.6	79.1	323.9	
19	416.0	284.9	290.1	176.0	92.8	438.4	378.2	202.0	92.0	92.8	81.2	354.4	
20	414.6	323.9	259.4	184.0	95.2	379.6	316.1	182.0	88.8	84.0	97.6	354.4	
21	425.8	303.1	124.2	196.0	101.6	321.3	249.3	169.0	86.4	80.5	126.0	351.6	
22	404.8	288.8	88.0	199.0	140.4	320.0	205.3	127.8	87.2	106.4	251.5	342.1	
23	378.2	300.5	96.8	200.0	198.0	358.6	177.0	106.4	83.3	108.9	278.6	346.0	
24	376.8	304.4	85.6	205.3	183.0	383.8	150.3	100.0	78.4	79.8	237.2	348.8	
25	365.6	264.2	96.8	228.4	154.8	273.8	134.1	104.8	80.5	75.6	174.0	299.2	
26	325.2	184.0	106.4	242.7	142.2	200.0	131.4	119.7	66.5	76.3	189.0	174.0	
27	347.4	189.0	114.3	239.4	145.8	170.0	144.9	97.6	64.4	87.2	200.0	80.5	
28	334.3	169.0	81.2	246.0	157.5	148.5	144.0	99.2	72.8	79.8	180.0	283.6	
29	360.0	196.0	93.6	240.5	170.0	135.9	108.9	104.8	74.9	108.9	198.0	344.7	
30	354.4	198.0	107.2	236.1	184.0	117.9	100.8	81.2	75.6	99.2		331.7	
31		198.0		211.9	200.0		95.2		63.7	83.3		321.3	
TOTAL	11808.6	8820.6	4482.2	5867.0	6412.0	9588.4	8110.5	4078.6	2999.0	2407.0	4868.6	8611.3	78053.8 CMSDAY
MEAN	393.6	284.5	149.4	189.3	206.8	319.6	261.6	136.0	96.7	77.6	167.9	277.8	213.3 CMS
MAX	448.5	441.2	290.1	246.0	342.1	663.0	564.0	273.8	135.9	108.9	278.6	354.4	663.0 CMS
MIN	307.0	169.0	81.2	104.0	92.8	117.9	92.8	80.5	63.7	53.2	79.1	80.5	53.2 CMS
RUNOFF	1020.26	762.10	387.26	506.91	554.00	828.44	700.75	352.39	259.11	207.96	420.65	744.02	6743.85 MCM

MOMENTARY PEAK 759.00 CMS, AT 40.85 M (MSL), AT 11.00 HOURS, ON SEP 9, 1983

RUNOFF YIELD 8.43 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 30.02 LITERS/SECOND/SQUARE KM

WATER YEAR 1983

NAN RIVER BASIN

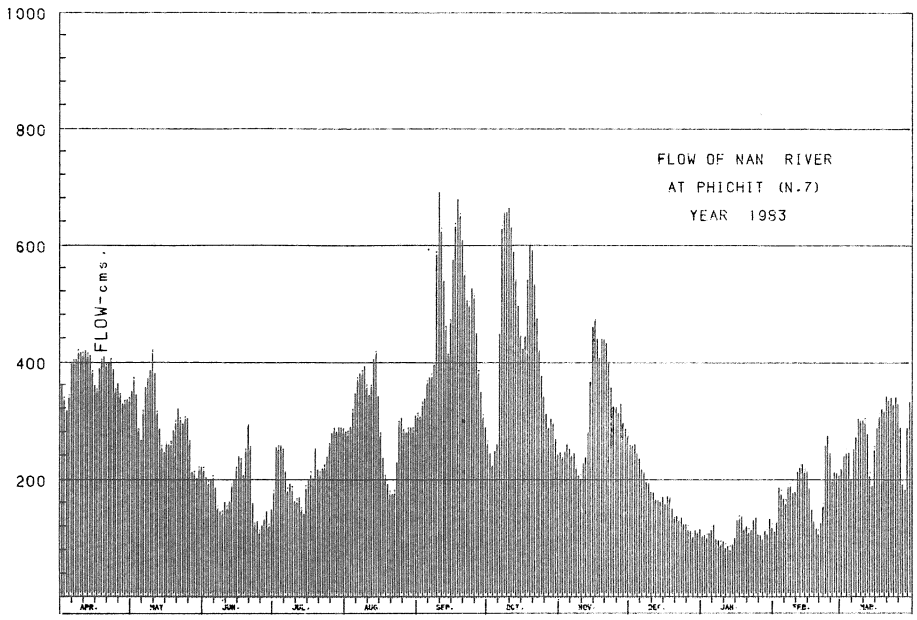
NAN RIVER AT PHICHIT, PHICHIT (N.7)

LOCATION	LAT. 16°-26'-31" N., LONG. 100°-21'-11" E., ON RIGHT BANK INFRONT OF PHICHIT PHITHAYA KHAM SCHOOL, AMPHOE MUANG, PHICHIT.
DRAINAGE AREA	29,153 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM	+26.00 M. (M.S.L.)
BENCH MARK	B.M.-H.D.
LOCATION	INFRONT OF PHICHIT PHITTHAYA KHAM SCHOOL.
ELEVATION	+37.228 M. (M.S.L.)
GAGE READING FREQUENCY	5-TIME DAILY READINGS AT 06.00, 09.00, 12.00, 15.00 AND 18.00 HOURS.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 5 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1934 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1965-1967, 1973 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1965-1967, 1973 TO DATE.
STABILITY OF CHANNEL REGIMES	STABLE.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS FAIR. FLOW REGULATED BY SIRIKIT DAM SINCE JUNE 5, 1971. STAGE-DISCHARGE RELATION DEFINED BY 17 DISCHARGE MEASUREMENTS MADE IN 1983.

GAGE HEIGHT IN METER (MSL), WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	30.36	30.26	28.96	28.50	29.57	29.88	29.41	29.22	29.35	27.55	27.57	29.00	
2	30.16	30.46	28.78	29.30	29.58	29.82	29.20	29.18	29.40	27.50	27.87	29.15	
3	29.93	30.20	28.70	29.33	29.65	30.07	29.04	29.23	29.36	27.52	28.56	29.27	
4	30.20	29.62	28.73	29.33	29.95	30.13	29.24	29.41	29.27	27.54	28.50	29.21	
5	30.66	29.43	28.81	29.27	30.22	30.41	29.42	29.28	29.11	27.70	28.32	28.81	
6	30.71	29.93	28.56	28.89	30.46	30.46	31.08	29.22	29.00	27.74	28.30	29.27	
7	30.72	30.32	28.17	28.55	30.52	30.51	32.57	29.20	28.88	27.49	28.57	29.54	
8	30.86	30.49	28.05	28.64	30.56	30.64	32.74	29.00	28.76	27.37	28.65	29.79	
9	30.82	30.56	28.06	28.58	30.62	32.22	32.80	28.82	28.66	27.35	28.44	29.84	
10	30.82	30.85	28.25	28.27	30.36	33.01	32.80	28.83	28.56	27.34	28.55	29.76	
11	30.85	30.52	28.17	28.32	30.19	32.54	32.59	29.03	28.46	27.29	28.88	29.79	
12	30.81	29.92	28.26	28.35	30.35	31.84	32.22	29.20	28.39	27.23	29.02	29.53	
13	30.78	29.62	28.63	28.13	30.72	31.19	31.89	29.56	28.30	27.23	29.02	28.87	
14	30.56	29.34	28.72	28.00	30.83	30.80	31.48	30.44	28.35	27.27	28.93	28.59	
15	30.35	29.22	28.96	28.59	30.17	31.28	31.09	31.18	28.37	27.51	28.89	29.31	
16	30.30	29.41	29.15	28.72	29.55	32.12	30.87	31.32	28.30	27.85	28.63	29.63	
17	30.59	29.35	29.11	28.88	29.12	32.60	31.09	31.01	28.38	27.95	28.09	29.87	
18	30.72	29.40	28.82	28.75	28.82	32.92	31.85	30.77	28.41	27.94	27.91	29.95	
19	30.76	29.59	29.27	29.27	28.63	32.73	32.34	31.01	28.12	27.70	27.65	29.99	
20	30.67	29.76	29.70	28.92	28.48	32.38	32.24	31.06	28.00	27.70	27.62	30.17	
21	30.67	29.96	29.32	28.88	28.42	31.97	31.84	30.95	27.96	27.65	27.78	30.19	
22	30.73	29.81	28.23	28.94	28.50	31.56	31.30	30.72	27.93	27.61	28.22	30.15	
23	30.58	29.71	27.78	29.00	29.04	31.54	30.87	30.32	27.92	27.94	29.33	30.10	
24	30.30	29.82	27.82	29.14	29.74	31.73	30.48	30.06	27.86	27.91	29.57	30.16	
25	30.38	29.80	27.61	29.37	29.80	31.65	30.23	29.99	27.76	27.60	29.20	30.13	
26	30.22	29.42	27.72	29.54	29.61	31.09	29.87	29.96	27.72	27.49	28.76	29.64	
27	30.05	28.88	27.94	29.63	29.55	30.56	29.70	30.05	27.60	27.49	28.87	28.70	
28	30.10	28.89	28.05	29.57	29.63	30.24	29.79	29.79	27.54	27.59	28.93	28.51	
29	30.12	28.76	27.75	29.64	29.64	29.86	29.78	29.63	27.61	27.61	28.81	29.69	
30	30.15	28.97	28.09	29.64	29.63	29.64	29.45	29.55	27.65	27.88		30.08	
31		28.97		29.62	29.84		29.26		27.64	27.76		29.99	
MEAN	30.50	29.72	28.47	28.95	29.73	31.25	30.92	29.90	28.34	27.59	28.53	29.57	
MAX	30.86	30.85	29.70	29.64	30.83	33.01	32.80	31.32	29.40	27.95	29.57	30.19	33.01
MIN	29.93	28.76	27.61	28.00	28.42	29.64	29.04	28.82	27.54	27.23	27.57	28.51	27.23

ANNUAL MAX MOMENTARY GAGE HEIGHT 33.09 M (MSL), AT 11.00 HOURS, ON SEP 10, 1983
ZERO GAGE AT BOTTOM ELEVATION 26.00 M (MSL), RIVER BED 24.79 M (MSL)
LEFT BANK ELEVATION 37.00 M (MSL)
RIGHT BANK ELEVATION 37.25 M (MSL), DRAINAGE AREA 29153 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	362.2	351.0	221.0	182.0	282.0	313.0	266.0	247.0	260.0	110.0	111.4	225.0	
2	341.0	374.2	204.4	255.0	283.0	307.0	245.0	243.0	265.0	106.4	132.8	240.0	
3	318.0	345.0	198.0	258.0	290.0	332.0	229.0	248.0	261.0	107.9	186.8	252.0	
4	345.0	287.0	200.4	258.0	320.0	338.0	249.0	266.0	252.0	109.3	182.0	246.0	
5	398.2	268.0	206.9	252.0	347.0	368.2	267.0	253.0	236.0	120.7	167.6	206.9	
6	404.2	318.0	186.8	214.1	374.2	374.2	448.6	247.0	225.0	123.5	166.0	252.0	
7	405.4	357.4	155.6	186.0	381.4	380.2	634.1	245.0	213.2	105.7	187.6	279.0	
8	422.2	377.8	146.0	193.2	386.2	395.8	656.2	225.0	202.8	97.2	194.0	304.0	
9	417.4	386.2	146.8	188.4	393.4	588.6	664.0	207.8	194.8	95.8	177.2	309.0	
10	417.4	421.0	162.0	163.6	362.2	691.3	664.0	208.7	186.8	95.1	186.0	301.0	
11	421.0	381.4	155.6	167.6	344.0	630.2	636.7	228.0	178.8	91.5	213.2	304.0	
12	416.2	317.0	162.8	170.0	361.0	539.8	588.6	245.0	173.2	87.2	227.0	278.0	
13	412.6	287.0	192.4	152.4	405.4	461.8	545.8	281.0	166.0	87.2	227.0	212.3	
14	386.2	259.0	199.6	142.0	418.6	415.0	496.6	371.8	170.0	90.1	218.0	189.2	
15	361.0	247.0	221.0	189.2	342.0	472.6	449.8	460.6	171.6	107.2	214.1	256.0	
16	355.0	266.0	240.0	199.6	280.0	575.6	423.4	477.4	166.0	131.3	192.4	288.0	
17	389.8	260.0	236.0	213.2	237.0	638.0	449.8	440.2	172.4	138.4	149.2	312.0	
18	405.4	265.0	207.8	202.0	207.8	679.6	541.0	411.4	174.8	137.7	135.6	320.0	
19	410.2	284.0	252.0	252.0	192.4	654.9	604.2	440.2	151.6	120.7	117.1	324.0	
20	399.4	301.0	295.0	217.0	180.4	609.4	591.2	446.2	142.0	120.7	115.0	342.0	
21	399.4	321.0	257.0	213.2	175.6	556.1	539.8	433.0	139.2	117.1	126.4	344.0	
22	406.6	306.0	160.4	219.0	182.0	506.2	475.0	405.4	137.0	114.3	159.6	340.0	
23	388.6	296.0	126.4	225.0	229.0	503.8	423.4	357.4	136.3	137.7	258.0	335.0	
24	355.0	307.0	129.2	239.0	299.0	526.6	376.6	331.0	132.0	135.6	282.0	341.0	
25	364.6	305.0	114.3	262.0	305.0	517.0	348.0	324.0	124.9	113.6	245.0	338.0	
26	347.0	267.0	122.1	279.0	286.0	449.8	312.0	321.0	122.1	105.7	202.8	289.0	
27	330.0	213.2	137.7	288.0	280.0	386.2	295.0	330.0	113.6	105.7	212.3	198.0	
28	335.0	214.1	146.0	282.0	288.0	349.0	304.0	304.0	109.3	112.8	218.0	182.8	
29	337.0	202.8	124.2	289.0	289.0	311.0	303.0	288.0	114.3	114.3	206.9	294.0	
30	340.0	222.0	149.2	289.0	288.0	289.0	270.0	280.0	117.1	133.5		333.0	
31		222.0		287.0	309.0		251.0		116.4	124.9		324.0	
TOTAL	11391.0	9229.1	5456.6	6927.5	9318.6	14159.9	13547.8	9566.1	5325.2	3498.8	5411.0	8759.2	102590.8 CMSDAY
MEAN	379.7	297.7	181.9	223.5	300.6	472.0	437.0	318.9	171.8	112.9	186.6	282.6	280.3 CMS
MAX	422.2	421.0	295.0	289.0	418.6	691.3	664.0	477.4	265.0	138.4	282.0	344.0	691.3 CMS
MIN	318.0	202.8	114.3	142.0	175.6	289.0	229.0	207.8	109.3	87.2	111.4	182.8	87.2 CMS
RUNOFF	984.18	797.39	471.45	598.54	805.13	1223.42	1170.53	826.51	460.10	302.30	467.51	756.79	8863.85 MCM

MOMENTARY PEAK 690.00 CMS, AT 33.09 M (MSL), AT 11.00 HOURS, ON SEP 10, 1983

RUNOFF YIELD 9.61 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 23.67 LITERS/SECOND/SQUARE KM

WATER YEAR 1983

NAN RIVER BASIN

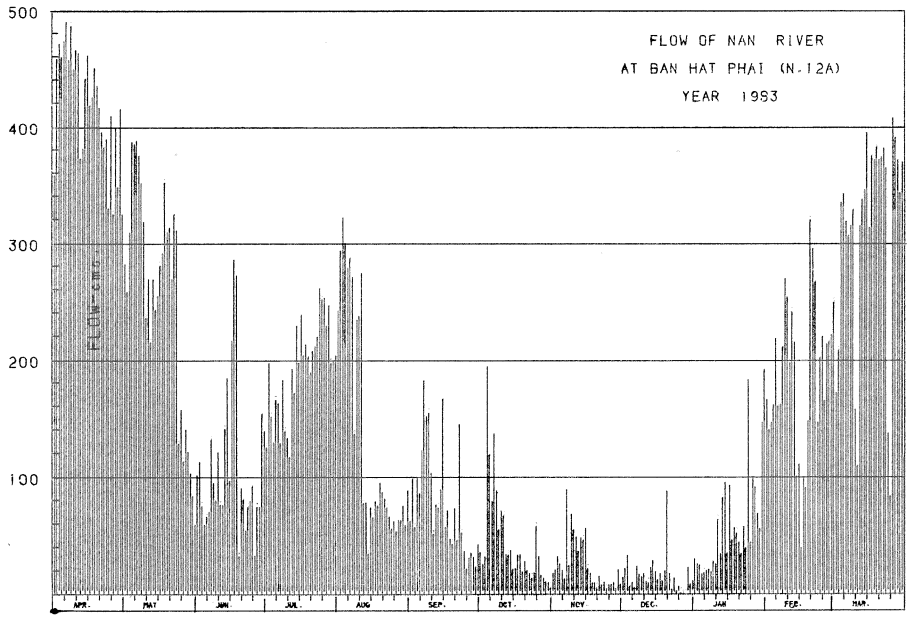
NAN RIVER AT BAN HAT PHAI, UTTARADIT (N.12A)

LOCATION	LAT. 17°-44'-10" N., LONG. 100°-32'-28" E., ON RIGHT BANK ABOUT 4 KILOMETERS DOWNSTREAM FROM SIRIKIT DAM SITE, ALONG PHASOM-SILOT ROAD AT BAN HAT PHAI, AMPHOE THA PHA, UTTARADIT.
DRAINAGE AREA	15,718 SQ.KM.
TYPE OF GAGE	WATER-STAGE RECORDER.
ZERO GAGE AT BOTTOM	+69.00 M. (M.S.L.)
BENCH MARK	B.M.-H.D.
LOCATION	ON RIGHT BANK INFRONT OF GAGE OBSERVER'S HOUSE.
ELEVATION	B.M.1=+84.00 M. (M.S.L.), B.M.2=+83.655 M. (M.S.L.)
GAGE READING FREQUENCY	RECORDING.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 24 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1966 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1966 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1966 TO DATE.
STABILITY OF CHANNEL REGIMES	STABLE.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS FAIR. STAGE-DISCHARGE RELATION DEFINED BY 112 DISCHARGE MEASUREMENTS MADE IN 1983.

GAGE HEIGHT IN METER (MSL), WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	72.56	72.13	70.91	71.11	71.88	70.54	70.25	69.91	69.85	70.16	71.39	71.94	
2	73.08	72.00	70.98	71.60	72.22	70.86	70.04	70.01	70.03	70.04	71.23	71.43	
3	73.13	72.29	70.67	71.31	72.36	70.49	70.20	70.15	70.16	70.08	71.25	71.68	
4	73.09	72.72	70.48	71.12	72.25	70.87	71.58	70.11	69.76	69.90	71.38	72.43	
5	73.14	72.70	70.58	71.41	72.11	70.78	71.05	69.95	69.77	69.97	71.73	72.49	
6	73.24	72.73	70.59	71.37	72.18	71.06	70.68	69.89	69.76	69.95	71.37	72.34	
7	73.06	72.65	71.16	71.14	72.06	71.52	71.20	70.78	70.01	70.02	71.36	72.29	
8	73.22	72.54	70.83	71.51	71.20	71.29	70.77	70.07	69.95	69.93	71.70	72.32	
9	73.02	72.34	70.72	71.22	71.83	71.33	70.47	70.57	69.86	70.13	72.05	72.41	
10	73.12	71.86	71.05	71.15	71.87	70.90	70.60	70.47	69.96	70.04	71.97	71.33	
11	73.09	72.05	70.68	71.04	72.08	70.43	70.59	70.37	69.79	70.55	71.60	70.97	
12	72.65	71.73	70.65	71.57	70.69	70.65	70.18	70.26	69.83	70.18	71.89	72.32	
13	72.68	72.05	71.23	71.45	70.67	70.66	70.22	70.36	69.99	70.73	71.71	72.46	
14	72.99	71.90	71.52	71.80	70.23	70.78	70.23	70.38	70.14	70.83	70.90	72.49	
15	73.08	71.96	70.87	71.62	70.63	71.41	70.03	70.45	69.93	70.23	70.96	72.76	
16	72.88	72.14	71.72	71.86	70.58	70.46	69.98	70.03	69.87	70.81	70.29	72.31	
17	72.90	72.19	72.17	71.66	70.68	70.63	70.22	69.91	69.90	70.37	70.87	72.66	
18	73.04	72.54	72.07	71.70	70.68	70.35	70.18	69.83	69.86	70.45	70.82	72.63	
19	72.95	72.29	70.20	71.65	70.83	70.34	69.99	69.76	69.94	70.44	71.26	72.70	
20	72.87	72.33	70.79	71.55	70.79	70.62	70.08	69.75	70.79	70.31	72.36	72.63	
21	72.75	72.05	70.73	71.68	70.70	70.37	70.01	69.87	69.90	70.23	72.21	72.66	
22	72.70	72.39	70.43	71.69	70.66	71.24	69.91	69.80	69.70	70.46	72.05	72.68	
23	72.72	72.30	70.66	71.76	70.55	70.44	69.90	69.78	69.84	70.29	71.25	72.61	
24	72.42	71.13	70.68	72.00	70.48	70.22	69.92	69.73	69.67	71.51	71.64	71.18	
25	72.82	71.33	70.83	71.96	70.51	70.03	70.49	69.72	69.68	70.34	71.74	70.75	
26	72.39	71.01	70.16	71.95	70.46	70.13	70.15	69.81	69.64	70.87	71.40	72.81	
27	72.77	71.21	70.66	71.82	70.52	70.24	69.94	69.77	69.58	70.83	71.70	72.74	
28	72.52	71.08	70.63	71.91	70.55	70.14	69.84	69.74	69.58	70.57	71.73	72.63	
29	72.85	70.90	71.32	71.62	70.64	70.06	69.85	69.96	69.99	70.48	71.75	72.49	
30	72.39	70.76	71.20	71.61	70.51	70.29	69.77	69.81	69.81	71.25		72.62	
31		70.48		71.66	70.77		69.75		69.80	71.58		71.03	
MEAN	72.87	71.93	70.91	71.56	71.10	70.64	70.26	70.03	69.88	70.44	71.50	72.22	
MAX	73.24	72.73	72.17	72.00	72.36	71.52	71.58	70.78	70.79	71.58	72.36	72.81	73.24
MIN	72.39	70.48	70.16	71.04	70.23	70.03	69.75	69.72	69.58	69.90	70.29	70.75	69.58

ANNUAL MAX MOMENTARY GAGE HEIGHT 73.66 M (MSL), AT 22.00 HOURS, ON MAR 22, 1983
ZERO GAGE AT BOTTOM ELEVATION 69.00 M (MSL), RIVER BED 67.60 M (MSL)
LEFT BANK ELEVATION 84.95 M (MSL)
RIGHT BANK ELEVATION 84.20 M (MSL), DRAINAGE AREA 15718 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	358.8	282.8	105.2	129.2	242.8	66.0	40.0	18.6	15.0	33.6	166.6	252.4	
2	462.0	262.0	113.6	198.0	297.6	99.2	26.4	24.6	25.8	26.4	144.2	172.2	
3	472.0	310.2	79.0	155.4	322.8	61.0	36.0	33.0	33.6	28.8	147.0	210.8	
4	464.0	390.0	60.0	130.4	303.0	100.4	194.8	30.6	10.4	18.0	165.2	335.4	
5	474.0	386.0	70.0	169.4	279.6	90.0	122.0	21.0	10.8	22.2	218.8	346.2	
6	494.0	392.0	71.0	163.8	290.8	123.2	80.0	17.4	10.4	21.0	163.8	319.2	
7	458.0	376.0	135.2	132.8	271.6	185.2	140.0	90.0	24.6	25.2	162.4	310.2	
8	490.0	355.2	95.6	183.6	140.0	152.6	89.0	28.2	21.0	19.8	214.0	315.6	
9	450.0	319.2	84.0	142.8	234.8	158.2	59.0	69.0	15.6	31.8	270.0	331.8	
10	470.0	239.6	122.0	134.0	241.2	104.0	72.0	59.0	21.6	26.4	257.2	158.2	
11	464.0	270.0	80.0	120.8	274.8	55.0	71.0	49.6	11.6	67.0	198.0	112.4	
12	376.0	218.8	77.0	193.2	81.0	77.0	34.8	40.8	13.8	34.8	244.4	315.6	
13	382.0	270.0	144.2	175.0	79.0	78.0	37.6	48.8	23.4	85.0	215.6	340.8	
14	444.0	246.0	185.2	230.0	38.4	90.0	38.4	50.4	32.4	95.6	104.0	346.2	
15	462.0	255.6	100.4	201.2	75.0	169.4	25.8	57.0	19.8	38.4	111.2	398.0	
16	422.0	284.4	217.2	239.6	70.0	58.0	22.8	25.8	16.2	93.2	43.2	313.8	
17	426.0	292.4	289.2	207.6	80.0	75.0	37.6	18.6	18.0	49.6	100.4	378.0	
18	454.0	355.2	273.2	214.0	80.0	48.0	34.8	13.8	15.6	57.0	94.4	372.0	
19	436.0	310.2	36.0	206.0	95.6	47.2	23.4	10.4	20.4	56.0	148.4	386.0	
20	420.0	317.4	91.0	190.0	91.0	74.0	28.8	10.0	91.0	44.8	322.8	372.0	
21	396.0	270.0	85.0	210.8	82.0	49.6	24.6	16.2	18.0	38.4	295.8	378.0	
22	386.0	328.2	55.0	212.4	78.0	145.6	18.6	12.0	8.0	58.0	270.0	382.0	
23	390.0	312.0	78.0	223.6	67.0	56.0	18.0	11.2	14.4	43.2	147.0	368.0	
24	333.6	131.6	80.0	262.0	60.0	37.6	19.2	9.2	6.8	183.6	204.4	137.6	
25	410.0	158.2	95.6	255.6	63.0	25.8	61.0	8.8	7.2	47.2	220.4	87.0	
26	328.2	117.2	33.6	254.0	58.0	31.8	33.0	12.6	5.6	100.4	168.0	408.0	
27	400.0	141.4	78.0	233.2	64.0	39.2	20.4	10.8	3.6	95.6	214.0	394.0	
28	351.6	125.6	75.0	247.6	67.0	32.4	14.4	9.6	3.6	69.0	218.8	372.0	
29	416.0	104.0	156.8	201.2	76.0	27.6	15.0	21.6	23.4	60.0	222.0	346.2	
30	328.2	88.0	140.0	199.6	63.0	43.2	10.8	12.6	12.6	147.0		370.0	
31		60.0		207.6	89.0		10.0		12.0	194.8		119.6	
TOTAL	12618.4	7969.2	3306.0	6024.4	4356.0	2400.2	1459.2	841.2	566.2	1911.8	5452.0	9449.2	56353.8 CMSDAY
MEAN	420.6	257.1	110.2	194.3	140.5	80.0	47.1	28.0	18.3	61.7	188.0	304.8	154.0 CMS
MAX	494.0	392.0	289.2	262.0	322.8	185.2	194.8	90.0	91.0	194.8	322.8	408.0	494.0 CMS
MIN	328.2	60.0	33.6	120.8	38.4	25.8	10.0	8.8	3.6	18.0	43.2	87.0	3.6 CMS
RUNOFF	1090.23	688.54	285.64	520.51	376.36	207.38	126.07	72.68	48.92	165.18	471.05	816.41	4868.97 MCM

MOMENTARY PEAK 578.00 CMS, AT 73.66 M (MSL), AT 22.00 HOURS, ON MAR 22, 1983

RUNOFF YIELD 9.80 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 36.77 LITERS/SECOND/SQUARE KM

WATER YEAR 1983

NAN RIVER BASIN

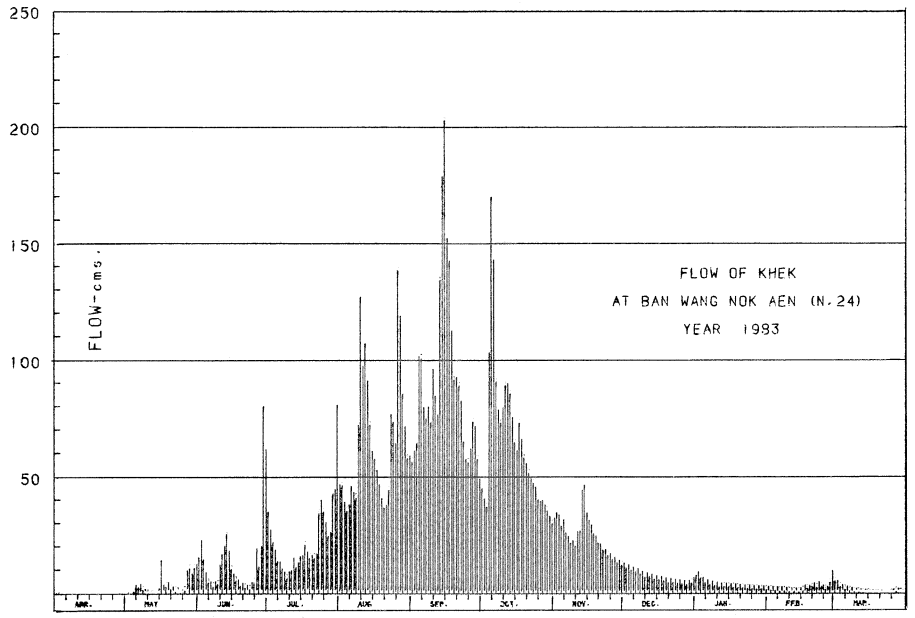
KHEK RIVER AT BAN WANG NOK AEN, PHITSANULOK (N.24)

LOCATION	LAT. 16°-50′-35″ N., LONG. 100°-31′-20″ E., ON RIGHT BANK ABOUT 2 KILOMETERS DOWNSTREAM FROM SAKUNOTHAYAN FALL, AMPHOE WANG THONG, PHITSANULOK.
DRAINAGE AREA	1,861 SQ.KM.
TYPE OF GAGE	WATER-STAGE RECORDER.
ZERO GAGE AT BOTTOM	+0.00 M. (A.D.)
BENCH MARK	B.M.-H.D.
LOCATION	NEAR THE GAGE SITE.
ELEVATION	+12.845 M. (A.D.)
GAGE READING FREQUENCY	RECORDING.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 24 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1965 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1965-1974, 1980 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1965-1974, 1980 TO DATE.
STABILITY OF CHANNEL REGIMES	FAIRLY STABLE WITH VARIABLE WATER SURFACE SLOPE.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS GOOD. STAGE-DISCHARGE RELATION DEFINED BY 92 DISCHARGE MEASUREMENTS MADE IN 1983.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.53	0.45	1.74	2.58	3.00	3.39	2.97	2.43	1.55	1.35	0.84	1.20	
2	0.53	0.52	2.04	2.23	3.03	3.49	2.75	2.57	1.53	1.36	0.84	1.07	
3	0.53	0.53	1.70	2.07	2.70	3.64	2.67	2.48	1.51	1.29	0.83	0.97	
4	0.53	0.70	1.35	1.83	2.61	5.37	4.72	2.34	1.48	1.22	0.82	0.90	
5	0.52	0.90	1.16	1.67	2.66	5.40	6.37	2.40	1.46	1.17	0.82	0.86	
6	0.52	0.91	1.05	1.58	3.03	4.47	6.55	2.23	1.44	1.13	0.81	0.83	
7	0.51	0.95	1.01	1.53	2.87	4.31	4.99	2.12	1.43	1.09	0.82	0.80	
8	0.51	0.82	1.06	1.36	2.84	4.48	4.41	2.06	1.40	1.07	0.80	0.78	
9	0.50	0.72	1.09	1.30	3.84	4.21	4.20	2.03	1.37	1.04	0.79	0.76	
10	0.49	0.68	1.51	1.37	5.38	5.16	4.46	2.00	1.33	1.02	0.78	0.75	
11	0.49	0.69	1.81	1.48	4.56	4.76	4.93	2.20	1.34	1.00	0.77	0.74	
12	0.48	0.65	1.91	1.66	4.87	4.31	4.92	2.27	1.34	0.99	0.76	0.72	
13	0.48	0.65	2.21	1.54	4.38	5.56	4.80	2.90	1.31	0.99	0.76	0.71	
14	0.48	0.68	1.81	1.56	3.88	6.54	4.25	3.05	1.28	0.98	0.76	0.70	
15	0.48	0.76	1.49	1.77	3.49	7.08	3.78	2.51	1.27	0.97	0.77	0.69	
16	0.48	1.70	1.32	1.71	3.43	5.95	3.55	2.45	1.26	0.97	0.81	0.68	
17	0.47	0.91	1.24	2.01	3.22	5.76	4.19	2.31	1.25	0.96	0.89	0.67	
18	0.46	1.01	1.13	1.79	3.06	4.99	3.78	2.22	1.23	0.95	0.88	0.67	
19	0.45	1.02	1.05	1.75	2.76	4.42	3.43	2.12	1.21	0.94	0.88	0.66	
20	0.45	0.90	0.99	1.72	2.66	4.42	3.31	2.04	1.20	0.93	0.94	0.65	
21	0.45	0.83	0.95	1.74	2.65	4.35	3.22	1.96	1.19	0.92	0.98	0.63	
22	0.44	0.80	0.90	1.75	2.95	4.13	3.11	1.90	1.17	0.91	0.93	0.62	
23	0.44	0.80	0.88	2.56	3.97	3.67	3.08	1.84	1.16	0.90	1.04	0.63	
24	0.43	0.75	1.02	2.74	3.92	3.37	2.95	1.79	1.14	0.90	0.97	0.63	
25	0.43	0.70	1.18	2.59	3.60	3.38	2.78	1.75	1.13	0.89	0.89	0.67	
26	0.43	0.83	1.86	2.36	5.67	3.52	2.71	1.71	1.12	0.89	0.85	0.71	
27	0.45	1.39	1.55	2.18	5.15	3.91	2.78	1.67	1.10	0.88	0.82	0.77	
28	0.45	1.51	1.91	2.19	4.25	3.82	2.65	1.64	1.09	0.87	1.11	0.74	
29	0.45	1.32	4.11	2.88	3.82	3.42	2.61	1.61	1.10	0.86	1.38	0.72	
30	0.44	1.52	3.52	2.92	3.43	3.09	2.46	1.58	1.14	0.86		0.70	
31		1.53		4.12	3.42		2.38		1.22	0.85		0.69	
MEAN	0.48	0.91	1.55	2.02	3.58	4.48	3.73	2.14	1.28	1.00	0.87	0.75	
MAX	0.53	1.70	4.11	4.12	5.67	7.08	6.55	3.05	1.55	1.36	1.38	1.20	7.08
MIN	0.43	0.45	0.88	1.30	2.61	3.09	2.38	1.58	1.09	0.85	0.76	0.62	0.43

ANNUAL MAX MOMENTARY GAGE HEIGHT 7.50 M (A.D), AT 20.00 HOURS, ON SEP 15, 1983
ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D), RIVER BED -0.57 M (A.D)
LEFT BANK ELEVATION 14.69 M (A.D)
RIGHT BANK ELEVATION 15.43 M (A.D), DRAINAGE AREA 1861 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.65	0.25	17.30	36.50	47.00	58.20	46.25	32.75	13.50	9.50	3.40	7.00	
2	0.65	0.60	23.30	27.75	47.75	61.20	40.75	36.25	13.10	9.70	3.40	5.70	
3	0.65	0.65	16.50	23.90	39.50	65.70	38.75	34.00	12.70	8.35	3.30	4.70	
4	0.65	2.00	9.50	19.10	37.25	101.62	103.20	30.50	12.10	7.30	3.20	4.00	
5	0.60	4.00	6.60	15.90	38.50	102.40	171.15	32.00	11.70	6.70	3.20	3.60	
6	0.60	4.10	5.50	14.10	47.75	79.90	143.00	27.75	11.30	6.30	3.10	3.30	
7	0.55	4.50	5.10	13.10	43.75	76.70	91.75	25.00	11.10	5.90	3.20	3.00	
8	0.55	3.20	5.60	9.70	43.00	80.10	78.70	23.70	10.50	5.70	3.00	2.80	
9	0.50	2.20	5.90	8.50	72.40	74.70	74.50	23.10	9.90	5.40	2.90	2.60	
10	0.45	1.80	12.70	9.90	128.20	96.16	79.70	22.50	9.10	5.20	2.80	2.50	
11	0.45	1.90	18.70	12.10	97.60	86.00	90.25	27.00	9.30	5.00	2.70	2.40	
12	0.40	1.50	20.70	15.70	108.45	76.70	90.00	28.75	9.30	4.90	2.60	2.20	
13	0.40	1.50	27.25	13.30	91.30	135.40	87.00	44.50	8.70	4.90	2.60	2.10	
14	0.40	1.80	18.70	13.70	73.80	178.80	75.50	48.25	8.20	4.80	2.60	2.00	
15	0.40	2.60	12.30	17.90	61.20	204.00	66.10	34.75	8.05	4.70	2.70	1.90	
16	0.40	16.50	8.90	16.70	59.40	152.25	61.25	33.25	7.90	4.70	3.10	1.80	
17	0.35	4.10	7.60	22.70	53.10	143.70	74.30	29.75	7.75	4.60	3.90	1.70	
18	0.30	5.10	6.30	18.30	48.50	112.65	66.10	27.50	7.45	4.50	3.80	1.70	
19	0.25	5.20	5.50	17.50	41.00	92.70	59.40	25.00	7.15	4.40	3.80	1.60	
20	0.25	4.00	4.90	16.90	38.50	92.70	55.80	23.30	7.00	4.30	4.40	1.50	
21	0.25	3.30	4.50	17.30	38.25	90.25	53.10	21.70	6.90	4.20	4.80	1.30	
22	0.20	3.00	4.00	17.50	45.75	82.55	49.80	20.50	6.70	4.10	4.30	1.20	
23	0.20	3.00	3.80	36.00	76.95	66.60	49.00	19.30	6.60	4.00	5.40	1.30	
24	0.15	2.50	5.20	40.50	75.20	57.60	45.75	18.30	6.40	4.00	4.70	1.30	
25	0.15	2.00	6.80	36.75	64.50	57.90	41.50	17.50	6.30	3.90	3.90	1.70	
26	0.15	3.30	19.70	31.00	139.80	62.10	39.75	16.70	6.20	3.90	3.50	2.10	
27	0.25	10.30	13.50	26.50	119.00	74.85	41.50	15.90	6.00	3.80	3.20	2.70	
28	0.25	12.70	20.70	26.75	86.75	71.70	38.25	15.30	5.90	3.70	6.10	2.40	
29	0.25	8.90	81.85	44.00	71.70	59.10	37.25	14.70	6.00	3.60	10.10	2.20	
30	0.20	12.90	62.10	45.00	59.40	49.25	33.50	14.10	6.40	3.60		2.00	
31		13.10		82.20	59.10		31.50		7.30	3.50		1.90	
TOTAL	11.50	142.50	461.00	746.75	2054.35	2743.48	2054.35	783.60	266.50	159.15	109.70	78.20	9611.08 CMSDAY
MEAN	0.38	4.60	15.37	24.09	66.27	91.45	66.27	26.12	8.60	5.13	3.78	2.52	26.26 CMS
MAX	0.65	16.50	81.85	82.20	139.80	204.00	171.15	48.25	13.50	9.70	10.10	7.00	204.00 CMS
MIN	0.15	0.25	3.80	8.50	37.25	49.25	31.50	14.10	5.90	3.50	2.60	1.20	0.15 CMS
RUNOFF	0.994	12.312	39.830	64.519	177.496	237.037	177.496	67.703	23.026	13.751	9.478	6.756	830.397 MCM

MOMENTARY PEAK 225.00 CMS. AT 7.50 M (A.D), AT 20.00 HOURS, ON SEP 15, 1983
RUNOFF YIELD 14.11 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 120.90 LITERS/SECOND/SQUARE KM

WATER YEAR 1983

NAN RIVER BASIN

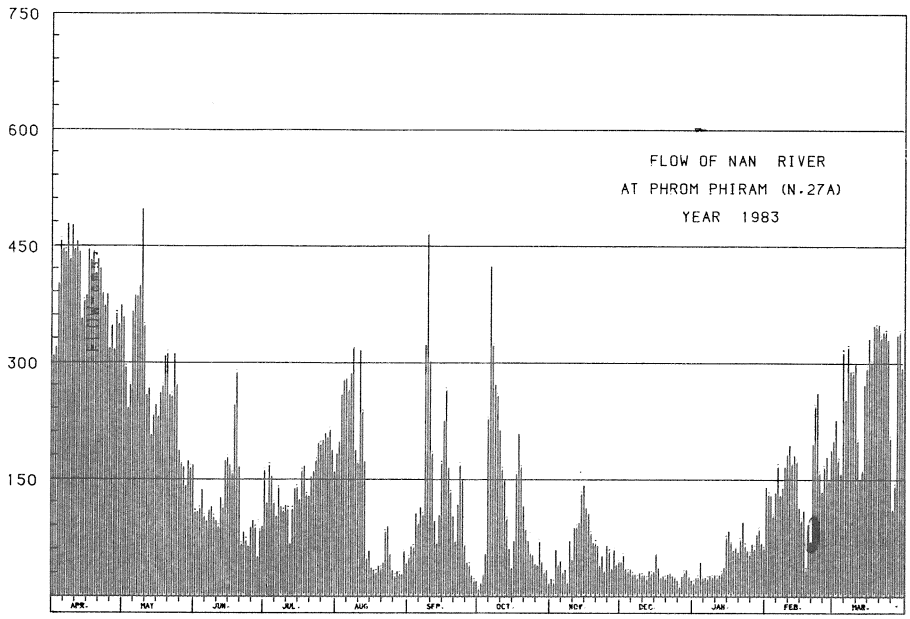
NAN RIVER AT PHROM PHIRAM, PHITSANULOK (N.27A)

LOCATION	LAT. 17°-01'-54" N., LONG. 100°-11'-05" E., ON RIGHT BANK ABOUT 1,800 METERS DOWNSTREAM FROM PHROM PHIRAM DAM, AMPHOE PHROM PHIRAM, PHITSANULOK.
DRAINAGE AREA	19,540 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM	+0.00 M.(A.D.)
BENCH MARK	B.M.-H.D.
LOCATION	ABOUT 12 METERS FROM THE TOP OF STAFF GAGE.
ELEVATION	+10.159 M.(A.D.)
GAGE READING FREQUENCY	5-TIME DAILY READINGS AT 06.00, 09.00, 12.00, 15.00 AND 18.00 HOURS.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 5 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1980 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1980 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1980 TO DATE.
STABILITY OF CHANNEL REGIMES	STABLE.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS FAIR. STAGE-DISCHARGE RELATION DEFINED BY 16 DISCHARGE MEASUREMENTS MADE IN 1983.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	3.59	3.94	1.86	2.42	2.60	0.96	0.19	0.38	0.80	0.33	2.18	2.78	
2	3.70	3.51	1.82	1.96	2.77	1.15	0.26	0.35	1.01	0.40	2.12	2.97	
3	4.23	3.09	1.91	2.49	3.22	1.19	0.54	1.08	0.63	0.47	2.07	2.55	
4	4.61	3.34	2.15	2.32	3.39	1.79	0.99	0.79	0.63	0.80	1.79	2.35	
5	4.52	3.99	1.78	2.00	3.38	1.64	3.00	0.83	0.62	0.45	2.11	3.65	
6	4.52	4.15	1.65	1.74	3.29	1.89	4.38	0.60	0.56	0.41	2.48	3.17	
7	4.72	4.12	1.88	2.19	3.43	1.81	3.71	0.61	0.49	0.44	2.07	3.69	
8	4.46	4.23	1.90	1.90	3.69	3.69	3.32	0.35	0.47	0.46	2.21	3.45	
9	4.71	4.84	1.77	1.87	2.64	4.66	3.24	1.27	0.53	0.47	2.44	3.45	
10	4.54	3.89	1.66	1.92	2.52	3.54	2.86	0.92	0.52	0.47	2.62	3.53	
11	4.58	3.22	1.60	1.90	3.64	2.63	2.44	1.53	0.47	0.46	2.70	2.77	
12	4.52	3.31	2.04	1.21	3.07	1.65	2.27	1.59	0.44	0.47	2.51	2.28	
13	3.93	2.81	1.93	1.90	2.51	1.28	1.73	1.62	0.58	0.58	2.58	2.42	
14	4.10	3.04	2.52	2.16	0.96	1.76	1.10	2.12	0.57	0.67	2.54	3.32	
15	4.13	3.12	2.58	2.21	1.06	2.51	0.73	2.20	0.55	1.38	1.88	3.50	
16	4.54	3.03	2.47	2.01	0.75	2.96	1.27	1.92	1.03	1.47	1.71	3.75	
17	4.43	3.24	2.38	2.42	0.61	3.29	2.38	1.79	0.65	1.30	1.83	3.55	
18	4.52	3.33	3.12	2.45	0.62	2.43	2.82	1.46	0.46	1.07	0.67	3.87	
19	4.32	3.59	3.46	2.11	0.71	2.14	2.46	1.23	0.45	1.19	1.59	3.88	
20	4.45	3.64	2.44	2.06	0.71	1.74	1.91	1.28	0.46	1.03	1.24	3.88	
21	4.36	3.22	1.25	2.34	0.79	1.32	1.55	1.17	0.49	1.34	2.71	3.78	
22	4.17	3.24	1.45	2.38	1.49	1.93	1.27	0.77	0.61	1.63	3.13	3.81	
23	4.04	3.61	1.34	2.55	1.55	2.49	1.06	0.95	0.45	1.22	3.24	3.83	
24	4.16	3.34	1.16	2.72	1.04	2.28	0.97	0.64	0.49	1.06	2.39	3.74	
25	3.66	2.64	1.58	2.74	0.60	1.23	0.83	1.17	0.34	1.04	2.12	2.80	
26	3.89	2.52	1.66	2.75	0.51	0.79	0.72	1.09	0.25	1.20	2.46	1.85	
27	3.65	2.44	1.57	2.86	0.57	0.79	1.31	0.63	0.44	1.17	2.56	2.22	
28	3.99	2.24	0.93	2.78	0.57	0.46	0.80	1.13	0.60	1.40	2.29	3.78	
29	3.88	2.52	1.50	2.89	0.49	0.39	0.60	0.73	0.61	1.53	2.64	3.83	
30	4.07	2.47	1.55	2.64	1.09	0.32	0.60	0.86	0.50	1.22		3.48	
31		2.47		2.42	0.77		0.34		0.34	1.15		3.84	
MEAN	4.23	3.29	1.90	2.27	1.78	1.89	1.67	1.10	0.55	0.91	2.24	3.28	
MAX	4.72	4.84	3.46	2.89	3.69	4.66	4.38	2.20	1.03	1.63	3.24	3.88	4.84
MIN	3.59	2.24	0.93	1.21	0.49	0.32	0.19	0.35	0.25	0.33	0.67	1.85	0.19

ANNUAL MAX MOMENTARY GAGE HEIGHT 5.15 M (A.D), AT 3.00 HOURS, ON SEP 9, 1983
ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D), RIVER BED -0.99 M (A.D)
LEFT BANK ELEVATION 10.30 M (A.D)
RIGHT BANK ELEVATION 10.50 M (A.D), DRAINAGE AREA 19540 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	308.6	358.0	111.8	164.0	183.0	52.6	13.5	23.0	44.0	20.5	140.0	203.6	
2	324.0	297.4	108.6	119.8	202.4	64.0	17.0	21.5	55.6	24.0	134.0	226.4	
3	401.5	241.7	115.8	171.0	258.6	66.4	31.0	59.8	35.5	27.5	129.3	177.5	
4	460.6	274.2	137.0	154.0	280.7	106.3	54.4	43.5	35.5	44.0	106.3	157.0	
5	446.2	365.5	105.6	123.0	279.4	95.8	230.0	45.5	35.0	26.5	133.0	317.0	
6	446.2	389.5	96.5	102.8	267.7	114.2	424.0	34.0	32.0	24.5	170.0	252.1	
7	478.2	385.0	113.4	141.0	286.2	107.8	325.4	34.5	28.5	26.0	129.3	322.6	
8	436.6	401.5	115.0	115.0	322.6	322.6	271.6	21.5	27.5	27.0	143.0	289.0	
9	476.6	497.4	104.9	112.6	187.4	468.6	261.2	71.2	30.5	27.5	166.0	289.0	
10	449.4	350.6	97.2	116.6	174.2	301.6	213.2	50.2	30.0	27.5	185.2	300.2	
11	455.8	258.6	93.0	115.0	315.6	186.3	166.0	88.1	27.5	27.0	194.0	202.4	
12	446.2	270.3	126.6	67.6	239.1	96.5	149.0	92.3	26.0	27.5	173.1	150.0	
13	356.5	207.2	117.4	115.0	173.1	71.8	102.1	94.4	33.0	33.0	180.8	164.0	
14	382.0	235.2	174.2	138.0	52.6	104.2	61.0	134.0	32.5	37.5	176.4	271.6	
15	386.5	245.6	180.8	143.0	58.6	173.1	40.5	142.0	31.5	77.8	113.4	296.0	
16	449.4	233.9	169.0	123.9	41.5	225.2	71.2	116.6	56.8	83.9	100.7	331.0	
17	431.8	261.2	160.0	164.0	34.5	267.7	160.0	106.3	36.5	73.0	109.4	303.0	
18	446.2	272.9	245.6	167.0	35.0	165.0	208.4	83.2	27.0	59.2	37.5	347.8	
19	415.0	308.6	290.4	133.0	39.5	136.0	168.0	68.8	26.5	66.4	92.3	349.2	
20	435.0	315.6	166.0	128.4	39.5	102.8	115.8	71.8	27.0	56.8	69.4	349.2	
21	421.0	258.6	70.0	156.0	43.5	74.2	89.5	65.2	28.5	75.4	195.2	335.2	
22	392.5	261.2	82.5	160.0	85.3	117.4	71.2	42.5	34.5	95.1	246.9	339.4	
23	373.0	311.4	75.4	177.5	89.5	171.0	58.6	52.0	26.5	68.2	261.2	342.2	
24	391.0	274.2	64.6	196.4	57.4	150.0	53.2	36.0	28.5	58.6	161.0	329.6	
25	318.4	187.4	91.6	198.8	34.0	68.8	45.5	65.2	21.0	57.4	134.0	206.0	
26	350.6	174.2	97.2	200.0	29.5	43.5	40.0	60.4	16.5	67.0	168.0	111.0	
27	317.0	166.0	90.9	213.2	32.5	43.5	73.6	35.5	26.0	65.2	178.6	144.0	
28	365.5	146.0	50.8	203.6	32.5	27.0	44.0	62.8	34.0	79.0	151.0	335.2	
29	349.2	174.2	86.0	216.8	28.5	23.5	34.0	40.5	34.5	88.1	187.4	342.2	
30	377.5	169.0	89.5	187.4	60.4	20.0	34.0	47.0	29.0	68.2		293.2	
31		169.0		164.0	42.5		21.0		21.0	64.0		343.6	
TOTAL	12088.0	8461.1	3627.3	4688.4	4006.8	3967.4	3647.9	1909.3	978.4	1603.3	4366.4	8420.2	57764.5 CMSDAY
MEAN	402.9	272.9	120.9	151.2	129.3	132.2	117.7	63.6	31.6	51.7	150.6	271.6	157.8 CMS
MAX	478.2	497.4	290.4	216.8	322.6	468.6	424.0	142.0	56.8	95.1	261.2	349.2	497.4 CMS
MIN	308.6	146.0	50.8	67.6	28.5	20.0	13.5	21.5	16.5	20.5	37.5	111.0	13.5 CMS
RUNOFF	1044.40	731.04	313.40	405.08	346.19	342.78	315.18	164.96	84.53	138.53	377.26	727.51	4990.85 MCM

MOMENTARY PEAK 547.00 CMS, AT 5.15 M (A.D), AT 3.00 HOURS, ON SEP 9, 1983

RUNOFF YIELD 8.08 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 27.99 LITERS/SECOND/SQUARE KM

WATER YEAR 1983

NAN RIVER BASIN

KHLONG TRON AT BAN NA KLAM, UTTARADIT (N.28B)

LOCATION — LAT. 17°-34'-55" N., LONG. 100°-29'-45" E., ON RIGHT BANK NEAR BAN NA KLAM SCHOOL ABOUT 1 KILOMETER UPSTREAM FROM STATION N.28A, AMPHOE NAM PAT, UTTARADIT.

DRAINAGE AREA — 366 SQ.KM.

TYPE OF GAGE — STAFF GAGE.

ZERO GAGE AT BOTTOM — +3.00 M. (A.D.)

BENCH MARK — B.M.-H.D.

LOCATION — ABOUT 20 METERS FROM THE TOP OF STAFF GAGE.

ELEVATION — +9.577 M.(A.D.)

GAGE READING FREQUENCY — 5-TIME DAILY READINGS AT 06.00, 09.00, 12.00, 15.00 AND 18.00 HOURS.

BASIS OF MEAN DAILY GAGE HEIGHT — ARITHMETIC MEAN OF 5 READINGS.

PERIOD OF AVAILABLE GAGE RECORDS — 1979 TO DATE.

RATING OPERATION

PERIOD OF RATING — 1980 TO DATE.

RATED BY FLOAT — -

RATED BY CURRENT METER — 1980 TO DATE.

STABILITY OF CHANNEL REGIMES — STABLE.

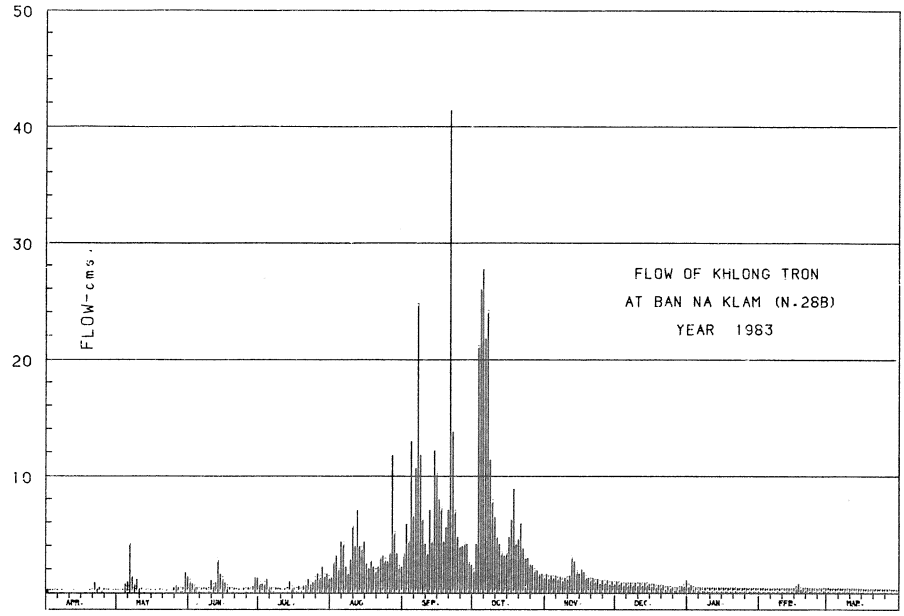
OVERBANK FLOW CONDITIONS — NO OVERBANK FLOW.

GENERAL DESCRIPTION — RECORDS GOOD. STAGE-DISCHARGE RELATION DEFINED BY 121 DISCHARGE MEASUREMENTS MADE IN 1983.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	4.34	4.34	4.47	4.45	4.48	4.62	4.54	4.51	4.45	4.43	4.38	4.38	
2	4.34	4.34	4.43	4.43	4.59	4.73	4.66	4.50	4.45	4.42	4.38	4.37	
3	4.34	4.35	4.42	4.45	4.61	4.68	5.12	4.50	4.44	4.41	4.37	4.37	
4	4.34	4.46	4.40	4.47	4.55	4.95	5.20	4.50	4.44	4.40	4.37	4.37	
5	4.34	4.45	4.39	4.42	4.67	4.76	5.23	4.50	4.44	4.40	4.37	4.37	
6	4.34	4.67	4.38	4.40	4.67	4.89	5.13	4.49	4.44	4.40	4.37	4.37	
7	4.34	4.49	4.38	4.40	4.55	5.18	5.17	4.49	4.44	4.40	4.37	4.37	
8	4.34	4.45	4.38	4.39	4.53	4.92	4.91	4.48	4.44	4.39	4.37	4.37	
9	4.33	4.47	4.39	4.38	4.59	4.75	4.80	4.48	4.44	4.39	4.37	4.37	
10	4.33	4.42	4.46	4.37	4.73	4.66	4.75	4.49	4.44	4.39	4.37	4.37	
11	4.33	4.38	4.43	4.37	4.65	4.63	4.70	4.50	4.44	4.39	4.37	4.37	
12	4.33	4.37	4.44	4.37	4.78	4.77	4.66	4.61	4.44	4.39	4.37	4.37	
13	4.32	4.35	4.60	4.39	4.65	4.68	4.63	4.58	4.44	4.39	4.37	4.37	
14	4.32	4.35	4.51	4.45	4.65	4.93	4.61	4.53	4.44	4.39	4.37	4.37	
15	4.32	4.34	4.49	4.41	4.67	4.88	4.63	4.51	4.43	4.39	4.38	4.36	
16	4.32	4.34	4.44	4.38	4.59	4.80	4.69	4.55	4.43	4.39	4.41	4.36	
17	4.31	4.34	4.42	4.39	4.54	4.78	4.75	4.52	4.43	4.39	4.43	4.35	
18	4.31	4.36	4.40	4.41	4.60	4.67	4.83	4.50	4.42	4.39	4.40	4.35	
19	4.34	4.36	4.39	4.38	4.55	4.73	4.67	4.48	4.42	4.39	4.39	4.35	
20	4.35	4.34	4.38	4.41	4.54	4.77	4.68	4.48	4.42	4.39	4.39	4.35	
21	4.44	4.33	4.37	4.45	4.55	5.42	4.74	4.48	4.42	4.39	4.39	4.35	
22	4.41	4.32	4.36	4.47	4.61	4.97	4.64	4.47	4.41	4.38	4.38	4.35	
23	4.40	4.32	4.36	4.45	4.61	4.77	4.61	4.47	4.41	4.38	4.38	4.35	
24	4.39	4.31	4.38	4.44	4.60	4.69	4.60	4.46	4.41	4.38	4.37	4.35	
25	4.37	4.39	4.39	4.49	4.58	4.66	4.58	4.46	4.40	4.38	4.37	4.35	
26	4.35	4.45	4.39	4.51	4.63	4.65	4.56	4.46	4.40	4.38	4.37	4.35	
27	4.35	4.40	4.38	4.50	4.92	4.67	4.54	4.46	4.40	4.38	4.37	4.35	
28	4.35	4.40	4.41	4.55	4.71	4.66	4.53	4.45	4.41	4.38	4.39	4.34	
29	4.34	4.40	4.51	4.51	4.62	4.59	4.52	4.45	4.41	4.38	4.38	4.34	
30	4.34	4.54	4.48	4.51	4.56	4.56	4.51	4.45	4.43	4.38		4.34	
31		4.49		4.50	4.55		4.50		4.46	4.38		4.34	
MEAN	4.35	4.40	4.42	4.44	4.62	4.78	4.73	4.49	4.43	4.39	4.38	4.36	
MAX	4.44	4.67	4.60	4.55	4.92	5.42	5.23	4.61	4.46	4.43	4.43	4.38	5.42
MIN	4.31	4.31	4.36	4.37	4.48	4.56	4.50	4.45	4.40	4.38	4.37	4.34	4.31

ANNUAL MAX MOMENTARY GAGE HEIGHT 5.90 M (A.D), AT 12.00 HOURS, ON SEP 7, 1983
ZERO GAGE AT BOTTOM ELEVATION 3.00 M (A.D), RIVER BED 3.72 M (A.D)
LEFT BANK ELEVATION 11.13 M (A.D)
RIGHT BANK ELEVATION 9.31 M (A.D), DRAINAGE AREA 366 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.32	0.32	1.20	1.00	1.30	3.40	2.10	1.65	1.00	0.80	0.44	0.44	
2	0.32	0.32	0.80	0.80	2.85	5.90	4.20	1.50	1.00	0.70	0.44	0.41	
3	0.32	0.35	0.70	1.00	3.20	4.60	21.20	1.50	0.90	0.60	0.41	0.41	
4	0.32	1.10	0.50	1.20	2.25	13.00	26.00	1.50	0.90	0.50	0.41	0.41	
5	0.32	1.00	0.47	0.70	4.40	6.80	27.95	1.50	0.90	0.50	0.41	0.41	
6	0.32	4.40	0.44	0.50	4.40	10.70	21.80	1.40	0.90	0.50	0.41	0.41	
7	0.32	1.40	0.44	0.50	2.25	24.80	24.20	1.40	0.90	0.50	0.41	0.41	
8	0.32	1.00	0.44	0.47	1.95	11.80	11.40	1.30	0.90	0.47	0.41	0.41	
9	0.29	1.20	0.47	0.44	2.85	6.50	8.00	1.30	0.90	0.47	0.41	0.41	
10	0.29	0.70	1.10	0.41	5.90	4.20	6.50	1.40	0.90	0.47	0.41	0.41	
11	0.29	0.44	0.80	0.41	4.00	3.60	5.00	1.50	0.90	0.47	0.41	0.41	
12	0.29	0.41	0.90	0.41	7.40	7.10	4.20	3.20	0.90	0.47	0.41	0.41	
13	0.26	0.35	3.00	0.47	4.00	4.60	3.60	2.70	0.90	0.47	0.41	0.41	
14	0.26	0.35	1.65	1.00	4.00	12.20	3.20	1.95	0.90	0.47	0.41	0.41	
15	0.26	0.32	1.40	0.60	4.40	10.40	3.60	1.65	0.80	0.47	0.44	0.38	
16	0.26	0.32	0.90	0.44	2.85	8.00	4.80	2.25	0.80	0.47	0.60	0.38	
17	0.23	0.32	0.70	0.47	2.10	7.40	6.50	1.80	0.80	0.47	0.80	0.35	
18	0.23	0.38	0.50	0.60	3.00	4.40	8.90	1.50	0.70	0.47	0.50	0.35	
19	0.32	0.38	0.47	0.44	2.25	5.90	4.40	1.30	0.70	0.47	0.47	0.35	
20	0.35	0.32	0.44	0.60	2.10	7.10	4.60	1.30	0.70	0.47	0.47	0.35	
21	0.90	0.29	0.41	1.00	2.25	41.60	6.20	1.30	0.70	0.47	0.47	0.35	
22	0.60	0.26	0.38	1.20	3.20	13.80	3.80	1.20	0.60	0.44	0.44	0.35	
23	0.50	0.26	0.38	1.00	3.20	7.10	3.20	1.20	0.60	0.44	0.44	0.35	
24	0.47	0.23	0.44	0.90	3.00	4.80	3.00	1.10	0.60	0.44	0.41	0.35	
25	0.41	0.47	0.47	1.40	2.70	4.20	2.70	1.10	0.50	0.44	0.41	0.35	
26	0.35	1.00	0.47	1.65	3.60	4.00	2.40	1.10	0.50	0.44	0.41	0.35	
27	0.35	0.50	0.44	1.50	11.80	4.40	2.10	1.10	0.50	0.44	0.41	0.35	
28	0.35	0.50	0.60	2.25	5.30	4.20	1.95	1.00	0.60	0.44	0.47	0.32	
29	0.32	0.50	1.65	1.65	3.40	2.85	1.80	1.00	0.60	0.44	0.44	0.32	
30	0.32	2.10	1.30	1.65	2.40	2.40	1.65	1.00	0.80	0.44		0.32	
31		1.40		1.50	2.25		1.50		1.10	0.44		0.32	
TOTAL	10.46	22.89	23.86	28.16	110.55	251.75	232.45	44.70	24.40	15.08	12.98	11.66	788.94 CMSDAY
MEAN	0.35	0.74	0.80	0.91	3.57	8.39	7.50	1.49	0.79	0.49	0.45	0.38	2.16 CMS
MAX	0.90	4.40	3.00	2.25	11.80	41.60	27.95	3.20	1.10	0.80	0.80	0.44	41.60 CMS
MIN	0.23	0.23	0.38	0.41	1.30	2.40	1.50	1.00	0.50	0.44	0.41	0.32	0.23 CMS
RUNOFF	0.904	1.978	2.062	2.433	9.552	21.751	20.084	3.862	2.108	1.303	1.121	1.007	68.164 MCM

MOMENTARY PEAK 87.00 CMS, AT 5.90 M (A.D), AT 12.00 HOURS, ON SEP 7, 1983

RUNOFF YIELD 5.89 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 237.70 LITERS/SECOND/SQUARE KM

WATER YEAR 1983

NAN RIVER BASIN

NAM PAT AT BAN WANG BANG, UTTARADIT (N.33)

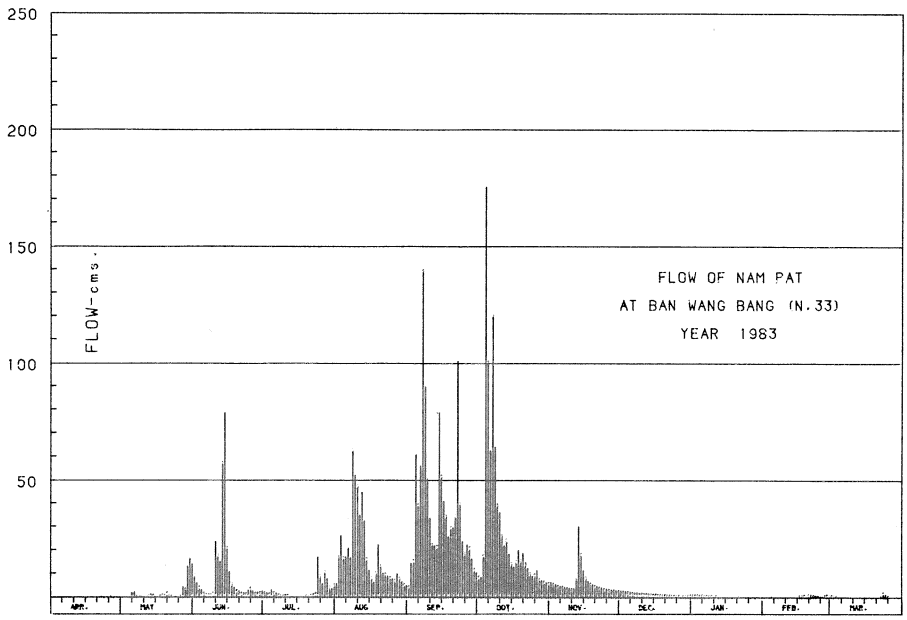
LOCATION — LAT. 17°-43'-05" N., LONG. 100°-34'-32" E., ON RIGHT BANK ABOUT 4.5 KILOMETERS UPSTREAM FROM CONFLUENCE WITH NAN RIVER AT BAN WANG BANG, TAMBON SAEN TO, AMPHOE NAM PAT, UTTARADIT.

DRAINAGE AREA	2,463 SQ.KM.
TYPE OF GAGE	WATER-STAGE RECORDER.
ZERO GAGE AT BOTTOM	+79.00 M. (M.S.L.)
BENCH MARK	B.M.-H.D.
LOCATION	NEAR AUTOMATIC GAGE BUILDING.
ELEVATION	+87.268 M. (M.S.L.)
GAGE READING FREQUENCY	RECORDING.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 24 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1966 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1966 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1966 TO DATE.
STABILITY OF CHANNEL REGIMES	STABLE.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS GOOD . STAGE-DISCHARGE RELATION DEFINED BY 105 DISCHARGE MEASUREMENTS MADE IN 1983.

GAGE HEIGHT IN METER (MSL), WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	79.14	79.20	79.84	79.50	79.70	79.65	79.81	79.72	79.54	79.40	79.27	79.36	
2	79.15	79.19	79.71	79.47	80.07	79.99	79.79	79.71	79.53	79.40	79.28	79.35	
3	79.15	79.22	79.64	79.46	80.27	80.03	80.08	79.69	79.53	79.40	79.27	79.33	
4	79.14	79.34	79.56	79.56	80.06	80.79	81.84	79.67	79.52	79.39	79.26	79.31	
5	79.14	79.46	79.48	79.50	80.06	80.50	81.21	79.65	79.51	79.39	79.26	79.29	
6	79.14	79.49	79.43	79.45	80.18	80.73	80.81	79.65	79.50	79.38	79.26	79.28	
7	79.13	79.36	79.41	79.41	80.05	81.55	81.39	79.63	79.49	79.37	79.25	79.27	
8	79.13	79.31	79.41	79.38	80.82	81.10	80.83	79.62	79.48	79.37	79.25	79.26	
9	79.12	79.28	79.47	79.36	80.68	80.66	80.50	79.61	79.47	79.36	79.25	79.24	
10	79.11	79.23	80.22	79.39	80.63	80.40	80.44	79.60	79.47	79.36	79.24	79.23	
11	79.11	79.23	80.09	79.38	80.42	80.20	80.28	79.60	79.46	79.35	79.24	79.22	
12	79.10	79.37	80.01	79.34	80.60	80.18	80.18	79.77	79.46	79.33	79.23	79.22	
13	79.10	79.41	80.75	79.32	80.38	80.18	80.24	80.34	79.44	79.34	79.23	79.23	
14	79.10	79.39	80.99	79.32	80.05	80.99	80.09	80.10	79.43	79.34	79.21	79.22	
15	79.09	79.33	80.17	79.32	79.89	80.68	80.00	79.89	79.43	79.34	79.24	79.21	
16	79.08	79.28	79.87	79.32	79.80	80.52	79.94	79.80	79.43	79.33	79.37	79.22	
17	79.08	79.36	79.71	79.32	79.72	80.42	80.02	79.74	79.42	79.33	79.36	79.21	
18	79.09	79.39	79.62	79.35	79.87	80.26	80.13	79.71	79.41	79.33	79.38	79.21	
19	79.08	79.39	79.56	79.35	80.19	80.34	80.03	79.69	79.40	79.33	79.35	79.20	
20	79.12	79.48	79.53	79.35	79.97	80.33	80.10	79.67	79.40	79.32	79.41	79.21	
21	79.13	79.39	79.49	79.38	79.85	80.42	80.00	79.65	79.39	79.32	79.39	79.21	
22	79.29	79.34	79.47	79.43	79.85	81.21	79.92	79.63	79.38	79.31	79.37	79.33	
23	79.26	79.33	79.46	79.47	79.81	80.51	79.86	79.62	79.38	79.31	79.36	79.49	
24	79.26	79.32	79.55	80.06	79.80	80.22	79.81	79.60	79.37	79.30	79.34	79.40	
25	79.23	79.30	79.62	79.82	79.77	80.11	79.84	79.59	79.37	79.31	79.32	79.34	
26	79.33	79.36	79.53	79.70	79.76	80.19	79.89	79.58	79.37	79.30	79.31	79.31	
27	79.29	79.63	79.48	79.88	79.84	80.17	79.78	79.57	79.36	79.30	79.38	79.28	
28	79.26	79.60	79.50	79.77	79.79	80.04	79.75	79.56	79.36	79.30	79.39	79.27	
29	79.23	79.95	79.51	79.65	79.73	79.92	79.74	79.55	79.37	79.29	79.37	79.25	
30	79.21	80.07	79.53	79.59	79.70	79.86	79.72	79.55	79.38	79.29		79.24	
31		79.98		79.70	79.66		79.72		79.40	79.28		79.23	
MEAN	79.16	79.42	79.72	79.49	80.03	80.41	80.19	79.69	79.43	79.34	79.30	79.27	
MAX	79.33	80.07	80.99	80.06	80.82	81.55	81.84	80.34	79.54	79.40	79.41	79.49	81.84
MIN	79.08	79.19	79.41	79.32	79.66	79.65	79.72	79.55	79.36	79.28	79.21	79.20	79.08

ANNUAL MAX MOMENTARY GAGE HEIGHT 82.60 M (MSL), AT 11.00 HOURS, ON OCT 4, 1983
ZERO GAGE AT BOTTOM ELEVATION 79.00 M (MSL), RIVER BED 78.64 M (MSL)
LEFT BANK ELEVATION 88.84 M (MSL)
RIGHT BANK ELEVATION 92.95 M (MSL), DRAINAGE AREA 2463 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.06	0.15	10.20	2.40	6.00	5.00	9.30	6.60	3.04	1.40	0.39	1.04	
2	0.08	0.14	6.30	2.10	17.80	14.70	8.70	6.30	2.88	1.40	0.43	0.95	
3	0.08	0.22	4.80	2.00	26.50	16.20	18.20	5.80	2.88	1.40	0.39	0.77	
4	0.06	0.86	3.36	3.36	17.40	61.20	175.60	5.40	2.72	1.31	0.36	0.59	
5	0.06	2.00	2.20	2.40	17.40	40.00	101.00	5.00	2.56	1.31	0.36	0.46	
6	0.06	2.30	1.70	1.90	22.20	56.40	62.80	5.00	2.40	1.22	0.36	0.43	
7	0.04	1.04	1.50	1.50	17.00	140.00	120.80	4.60	2.30	1.13	0.33	0.39	
8	0.04	0.59	1.50	1.22	63.60	90.00	64.40	4.40	2.20	1.13	0.33	0.36	
9	0.03	0.43	2.10	1.04	52.40	50.80	40.00	4.20	2.10	1.04	0.33	0.29	
10	0.02	0.26	24.00	1.31	48.40	34.00	36.40	4.00	2.10	1.04	0.29	0.26	
11	0.02	0.26	18.60	1.22	35.20	23.00	27.00	4.00	2.00	0.95	0.29	0.22	
12	0.00	1.13	15.40	0.86	46.00	22.20	22.20	8.10	2.00	0.77	0.26	0.22	
13	0.00	1.50	58.00	0.68	32.80	22.20	25.00	30.40	1.80	0.86	0.26	0.26	
14	0.00	1.31	79.00	0.68	17.00	79.00	18.60	19.00	1.70	0.86	0.19	0.22	
15	0.00	0.77	21.80	0.68	11.70	52.40	15.00	11.70	1.70	0.86	0.29	0.19	
16	0.00	0.43	11.10	0.68	9.00	41.20	13.20	9.00	1.70	0.77	1.13	0.22	
17	0.00	1.04	6.30	0.68	6.60	35.20	15.80	7.20	1.60	0.77	1.04	0.19	
18	0.00	1.31	4.40	0.95	11.10	26.00	20.20	6.30	1.50	0.77	1.22	0.19	
19	0.00	1.31	3.36	0.95	22.60	30.40	16.20	5.80	1.40	0.77	0.95	0.15	
20	0.03	2.20	2.88	0.95	14.10	29.80	19.00	5.40	1.40	0.68	1.50	0.19	
21	0.04	1.31	2.30	1.22	10.50	35.20	15.00	5.00	1.31	0.68	1.31	0.19	
22	0.46	0.86	2.10	1.70	10.50	101.00	12.60	4.60	1.22	0.59	1.13	0.77	
23	0.36	0.77	2.00	2.10	9.30	40.60	10.80	4.40	1.22	0.59	1.04	2.30	
24	0.36	0.68	3.20	17.40	9.00	24.00	9.30	4.00	1.13	0.50	0.86	1.40	
25	0.26	0.50	4.40	9.60	8.10	19.40	10.20	3.84	1.13	0.59	0.68	0.86	
26	0.77	1.04	2.88	6.00	7.80	22.60	11.70	3.68	1.13	0.50	0.59	0.59	
27	0.46	4.60	2.20	11.40	10.20	21.80	8.40	3.52	1.04	0.50	1.22	0.43	
28	0.36	4.00	2.40	8.10	8.70	16.60	7.50	3.36	1.04	0.50	1.31	0.39	
29	0.26	13.50	2.56	5.00	6.90	12.60	7.20	3.20	1.13	0.46	1.13	0.33	
30	0.19	17.80	2.88	3.84	6.00	10.80	6.60	3.20	1.22	0.46		0.29	
31		14.40		6.00	5.20		6.60		1.40	0.43		0.26	
TOTAL	4.10	78.71	305.42	99.92	587.00	1174.30	935.30	197.00	54.95	26.24	19.97	15.40	3498.31 CMSDAY
MEAN	0.14	2.54	10.18	3.22	18.94	39.14	30.17	6.57	1.77	0.85	0.69	0.50	9.56 CMS
MAX	0.77	17.80	79.00	17.40	63.60	140.00	175.60	30.40	3.04	1.40	1.50	2.30	175.60 CMS
MIN	0.00	0.14	1.50	0.68	5.20	5.00	6.60	3.20	1.04	0.43	0.19	0.15	0.00 CMS
RUNOFF	0.354	6.801	26.388	8.633	50.717	101.460	80.810	17.021	4.748	2.267	1.725	1.331	302.254 MCM

MOMENTARY PEAK 300.00 CMS, AT 82.60 M (MSL), AT 11.00 HOURS, ON OCT 4, 1983

RUNOFF YIELD 3.88 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 121.80 LITERS/SECOND/SQUARE KM

WATER YEAR 1983

NAN RIVER BASIN

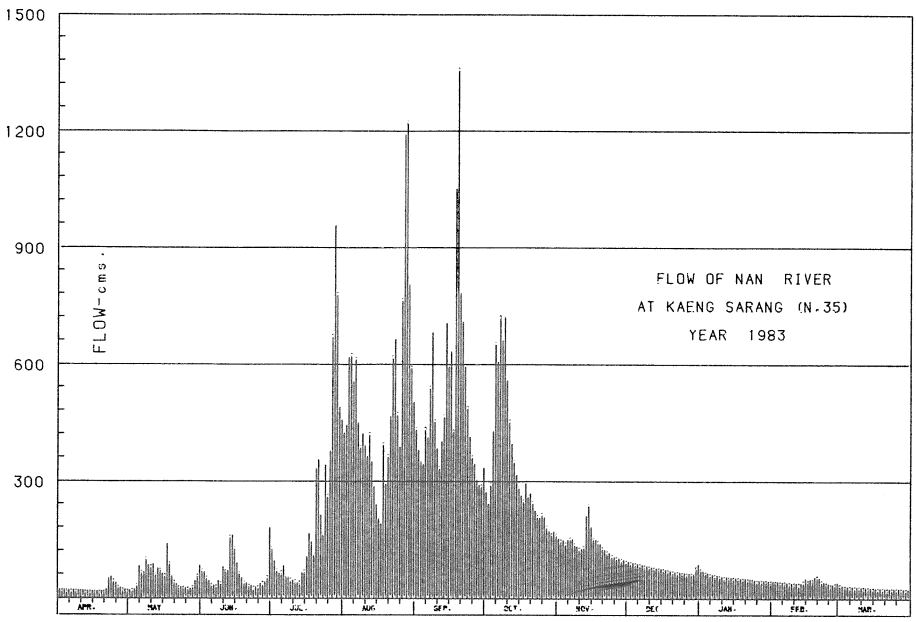
NAN RIVER AT KAENG SARANG, NAN (N.35)

LOCATION	LAT. 18°-24'-00" N., LONG. 100°-51'-05" E., ON LEFT BANK AT KAENG SARANG, BETWEEN DOI KHON KAEN AND DOI CHAM HANG, AMPHOE SA, NAN.
DRAINAGE AREA	10,335 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM	+0.00 M. (A.D.)
BENCH MARK	B.M.-H.D.
LOCATION	IN THE VICINITY OF METEOROLOGICAL STATION.
ELEVATION	+12.354 M. (A.D.)
GAGE READING FREQUENCY	5-TIME DAILY READINGS AT 06.00, 09.00, 12.00, 15.00 AND 18.00 HOURS.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 5 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1966 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1966 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1966 TO DATE.
STABILITY OF CHANNEL REGIMES	STABLE.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS GOOD. STAGE-DISCHARGE RELATION DEFINED BY 106 DISCHARGE MEASUREMENTS MADE IN 1983.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.79	0.77	1.22	1.61	3.22	3.29	2.48	1.75	1.37	1.23	1.00	0.93	
2	0.79	0.80	1.17	1.38	3.35	3.00	2.27	1.73	1.36	1.20	0.99	0.91	
3	0.79	0.80	1.08	1.23	4.08	2.88	2.57	1.72	1.35	1.17	0.99	0.90	
4	0.78	0.93	1.00	1.15	4.12	2.82	3.24	1.68	1.34	1.16	0.98	0.89	
5	0.78	1.28	0.94	1.19	3.83	3.29	4.23	1.73	1.33	1.14	0.98	0.89	
6	0.78	1.19	0.91	1.29	4.08	3.16	4.03	1.76	1.32	1.13	0.98	0.89	
7	0.78	1.17	0.91	1.13	3.35	3.78	4.49	1.74	1.31	1.12	0.97	0.88	
8	0.77	1.43	1.00	1.07	3.06	4.33	4.25	1.67	1.30	1.11	0.97	0.88	
9	0.77	1.30	0.97	1.05	3.21	3.39	4.50	1.62	1.29	1.10	0.96	0.88	
10	0.76	1.29	1.27	1.01	3.10	3.02	3.84	1.60	1.28	1.09	0.96	0.87	
11	0.76	1.32	1.21	1.02	2.92	2.79	3.39	1.58	1.27	1.08	0.96	0.87	
12	0.75	1.15	1.20	0.96	3.22	3.11	3.08	1.63	1.26	1.08	0.96	0.86	
13	0.75	1.24	1.79	0.99	2.85	3.45	2.87	2.09	1.25	1.07	0.96	0.86	
14	0.75	1.23	1.80	1.16	2.56	4.42	2.68	2.27	1.25	1.07	1.00	0.85	
15	0.74	1.14	1.61	1.21	2.26	4.01	2.53	1.92	1.24	1.07	1.05	0.85	
16	0.74	1.13	1.34	1.45	2.08	4.14	2.39	1.76	1.23	1.06	1.01	0.84	
17	0.74	1.66	1.17	1.86	1.97	3.26	2.33	1.73	1.22	1.06	1.03	0.84	
18	0.74	1.35	1.06	1.69	3.09	5.56	2.56	1.71	1.21	1.05	1.03	0.84	
19	0.74	1.09	0.99	1.51	2.55	6.39	2.40	1.66	1.20	1.05	1.08	0.84	
20	0.74	1.00	0.96	2.76	2.94	4.70	2.42	1.61	1.19	1.05	1.10	0.83	
21	0.80	0.94	0.93	2.91	3.43	4.46	2.31	1.57	1.18	1.04	1.06	0.83	
22	1.09	0.89	0.91	2.10	4.09	3.98	2.17	1.54	1.18	1.04	1.01	0.83	
23	1.08	0.87	0.88	1.84	4.26	3.56	2.10	1.52	1.17	1.03	0.98	0.83	
24	1.02	0.87	0.87	2.81	3.48	3.17	2.06	1.48	1.16	1.02	0.96	0.83	
25	0.96	0.84	0.90	2.41	3.04	2.93	2.13	1.45	1.16	1.01	0.95	0.83	
26	0.89	0.85	0.95	2.99	4.65	2.82	2.07	1.45	1.15	1.01	0.93	0.83	
27	0.85	0.82	0.98	4.31	5.96	2.65	1.94	1.43	1.15	1.01	0.93	0.82	
28	0.82	0.89	0.98	5.29	6.05	2.54	1.86	1.41	1.15	1.01	0.95	0.82	
29	0.80	1.00	1.10	4.71	4.78	2.54	1.83	1.40	1.14	1.01	0.97	0.81	
30	0.78	1.12	1.91	3.55	3.99	2.77	1.86	1.38	1.27	1.00		0.81	
31		1.29		3.42	3.61		1.82		1.32	1.00		0.81	
MEAN	0.81	1.09	1.13	2.03	3.52	3.54	2.73	1.65	1.25	1.07	0.99	0.85	
MAX	1.09	1.66	1.91	5.29	6.05	6.39	4.50	2.27	1.37	1.23	1.10	0.93	6.39
MIN	0.74	0.77	0.87	0.96	1.97	2.54	1.82	1.38	1.14	1.00	0.93	0.81	0.74

ANNUAL MAX MOMENTARY GAGE HEIGHT 6.72 M (A.D), AT 6.00 HOURS, ON SEP 19, 1983
ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D), RIVER BED -1.48 M (A.D)
LEFT BANK ELEVATION 14.56 M (A.D)
RIGHT BANK ELEVATION 16.94 M (A.D), DRAINAGE AREA 10335 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	22.2	20.6	73.8	131.6	424.0	438.0	279.4	154.0	94.8	75.2	45.0	35.9	
2	22.2	23.0	67.1	96.2	450.0	380.0	241.9	150.8	93.4	71.0	43.7	33.3	
3	22.2	23.0	55.4	75.2	618.0	356.0	295.6	149.2	92.0	67.1	43.7	32.0	
4	21.4	35.9	45.0	64.5	628.0	344.0	428.0	142.8	90.6	65.8	42.4	31.1	
5	21.4	82.2	37.2	69.7	555.5	438.0	655.8	150.8	89.2	63.2	42.4	31.1	
6	21.4	69.7	33.3	83.6	618.0	412.0	605.5	155.6	87.8	61.9	42.4	31.1	
7	21.4	67.1	33.3	61.9	450.0	543.0	724.3	152.4	86.4	60.6	41.1	30.2	
8	20.6	103.5	45.0	54.1	392.0	681.8	661.0	141.2	85.0	59.3	41.1	30.2	
9	20.6	85.0	41.1	51.5	422.0	458.0	727.0	133.2	83.6	58.0	39.8	30.2	
10	19.8	83.6	80.8	46.3	400.0	384.0	558.0	130.0	82.2	56.7	39.8	29.3	
11	19.8	87.8	72.4	47.6	364.0	338.0	458.0	126.8	80.8	55.4	39.8	29.3	
12	19.0	64.5	71.0	39.8	424.0	402.0	396.0	134.8	79.4	55.4	39.8	28.4	
13	19.0	76.6	160.4	43.7	350.0	470.0	354.0	211.3	78.0	54.1	39.8	28.4	
14	19.0	75.2	162.0	65.8	293.8	705.4	316.2	241.9	78.0	54.1	45.0	27.5	
15	18.2	63.2	131.6	72.4	240.2	600.5	288.4	182.4	76.6	54.1	51.5	27.5	
16	18.2	61.9	90.6	106.5	209.6	633.0	263.2	155.6	75.2	52.8	46.3	26.6	
17	18.2	139.6	67.1	172.2	190.9	432.0	252.4	150.8	73.8	52.8	48.9	26.6	
18	18.2	92.0	52.8	144.4	398.0	1051.0	293.8	147.6	72.4	51.5	48.9	26.6	
19	18.2	56.7	43.7	115.6	292.0	1361.0	265.0	139.6	71.0	51.5	55.4	26.6	
20	18.2	45.0	39.8	332.0	368.0	782.0	268.6	131.6	69.7	51.5	58.0	25.7	
21	23.0	37.2	35.9	362.0	466.0	716.2	248.8	125.2	68.4	50.2	52.8	25.7	
22	56.7	31.1	33.3	213.0	620.5	593.0	224.9	120.4	68.4	50.2	46.3	25.7	
23	55.4	29.3	30.2	168.8	663.6	492.0	213.0	117.2	67.1	48.9	42.4	25.7	
24	47.6	29.3	29.3	342.0	476.0	414.0	206.2	111.0	65.8	47.6	39.8	25.7	
25	39.8	26.6	32.0	266.8	388.0	366.0	218.1	106.5	65.8	46.3	38.5	25.7	
26	31.1	27.5	38.5	378.0	768.0	344.0	207.9	106.5	64.5	46.3	35.9	25.7	
27	27.5	24.8	42.4	676.6	1191.0	310.5	185.8	103.5	64.5	46.3	35.9	24.8	
28	24.8	31.1	42.4	957.0	1225.0	290.2	172.2	100.5	64.5	46.3	38.5	24.8	
29	23.0	45.0	58.0	784.8	804.4	290.2	167.1	99.0	63.2	46.3	41.1	23.9	
30	21.4	60.6	180.7	490.0	595.5	334.0	172.2	96.2	80.8	45.0		23.9	
31		83.6		464.0	502.3		165.4		87.8	45.0		23.9	
TOTAL	749.5	1782.2	1926.1	6977.6	15788.3	15359.8	10513.7	4168.4	2400.7	1690.4	1266.0	863.1	63485.8 CMSDAY
MEAN	25.0	57.5	64.2	225.1	509.3	512.0	339.2	138.9	77.4	54.5	43.7	27.8	173.5 CMS
MAX	56.7	139.6	180.7	957.0	1225.0	1361.0	727.0	241.9	94.8	75.2	58.0	35.9	1361.0 CMS
MIN	18.2	20.6	29.3	39.8	190.9	290.2	165.4	96.2	63.2	45.0	35.9	23.9	18.2 CMS
RUNOFF	64.76	153.98	166.42	602.86	1364.11	1327.09	908.38	360.15	207.42	146.05	109.38	74.57	5485.17 MCM

MOMENTARY PEAK 1493.00 CMS, AT 6.72 M (A.D), AT 6.00 HOURS, ON SEP 19, 1983
RUNOFF YIELD 16.78 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 144.46 LITERS/SECOND/SQUARE KM

WATER YEAR 1983

NAN RIVER BASIN

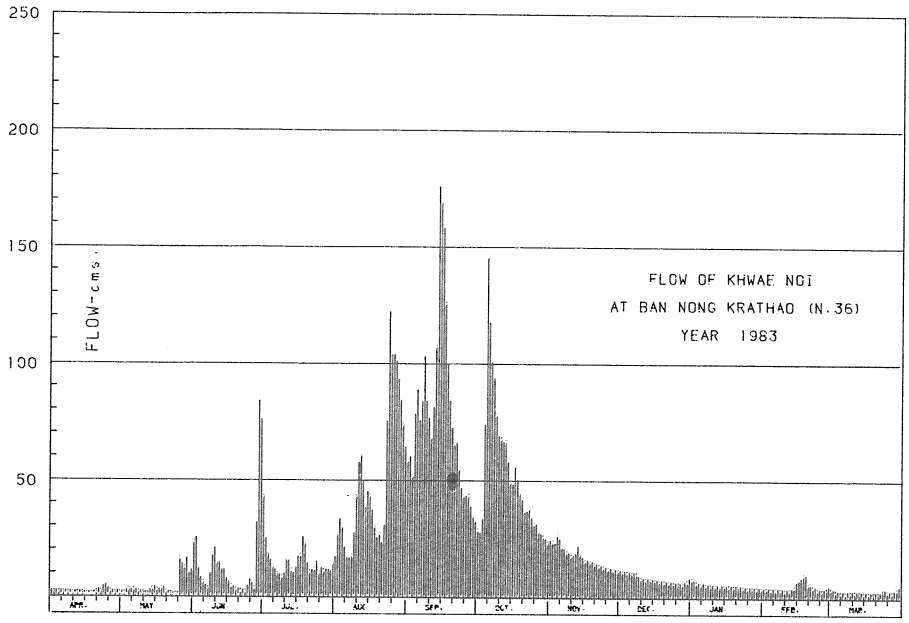
KHWAE NOI RIVER AT BAN NONG KRATHAO, PHITSANULOK (N.36)

LOCATION	LAT. 17°-04'-59" N., LONG. 100°-49'-55" E., ON LEFT BANK ABOUT 50 METERS UPSTREAM FROM BELLY BRIDGE ALONG LOM SAK-NAKHON THAI ROAD, TAMBON NONG KRATHAO, AMPHOE NAKHON THAI, PHITSANULOK.
DRAINAGE AREA	1,651 SQ.KM.
TYPE OF GAGE	WATER-STAGE RECORDER.
ZERO GAGE AT BOTTOM	+0.00 M. (A.D.)
BENCH MARK	B.M.-H.D.
LOCATION	ON LEFT BANK ALONG THE MEASURING LINE.
ELEVATION	+6.154 M. (A.D.)
GAGE READING FREQUENCY	RECORDING.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 24 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1967 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1971-1979
RATED BY FLOAT	-
RATED BY CURRENT METER	1971-1979
STABILITY OF CHANNEL REGIMES	FAIRLY STABLE.
OVERBANK FLOW CONDITIONS	OVERBANK FLOW STARTS AT ELEVATION +6.996 M.(A.D.), RECORDS ARE CHANNEL FLOW ONLY.
GENERAL DESCRIPTION	RECORDS GOOD. STAGE-DISCHARGE RELATION DEFINED BY 1,106 DISCHARGE MEASUREMENTS MADE DURING 1973-1979.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.81	0.75	2.53	3.73	2.05	4.57	2.88	2.55	1.64	1.36	0.98	0.98	
2	0.80	0.73	2.62	2.60	2.74	4.63	2.77	2.56	1.62	1.29	0.99	0.94	
3	0.80	0.82	1.76	2.14	3.13	4.23	3.20	2.47	1.62	1.24	0.98	0.89	
4	0.79	0.92	1.34	1.95	2.96	5.47	5.27	2.75	1.61	1.20	0.97	0.86	
5	0.79	0.83	1.24	1.79	2.34	5.92	7.03	2.59	1.59	1.19	0.97	0.84	
6	0.78	0.91	1.04	1.64	2.10	5.35	6.71	2.41	1.58	1.18	0.97	0.83	
7	0.77	0.84	0.98	1.54	2.01	5.73	6.32	2.31	1.58	1.15	0.97	0.81	
8	0.76	0.80	1.50	1.47	2.12	6.36	6.06	2.25	1.56	1.13	0.96	0.84	
9	0.76	0.77	2.16	1.44	2.76	5.74	5.48	2.19	1.45	1.12	0.95	0.84	
10	0.75	0.75	2.32	1.50	3.74	5.40	5.05	2.14	1.38	1.11	0.92	0.85	
11	0.75	0.72	1.91	2.03	4.50	5.05	5.02	2.11	1.37	1.11	0.92	0.86	
12	0.74	0.70	1.86	1.93	4.67	5.59	4.93	2.25	1.36	1.11	0.94	0.84	
13	0.74	0.83	1.74	1.67	4.07	6.50	4.96	2.39	1.35	1.11	0.97	0.83	
14	0.74	0.94	1.63	1.52	3.51	7.20	4.51	2.19	1.34	1.10	1.05	0.82	
15	0.70	0.98	1.45	1.79	3.83	7.17	4.09	2.05	1.33	1.10	1.22	0.80	
16	0.68	0.90	1.19	2.06	3.77	7.11	4.00	1.99	1.31	1.09	1.39	0.80	
17	0.68	0.85	1.08	2.13	3.36	6.84	4.46	1.97	1.30	1.09	1.38	0.79	
18	0.70	0.97	0.99	2.63	2.96	6.26	4.11	1.96	1.28	1.08	1.53	0.79	
19	0.72	0.95	0.94	2.50	2.62	5.73	3.83	1.93	1.28	1.07	1.50	0.79	
20	0.79	0.81	0.90	1.84	2.77	5.21	3.63	1.88	1.27	1.08	1.18	0.80	
21	0.85	0.75	0.87	1.61	2.48	4.92	3.40	1.85	1.25	1.08	1.10	0.79	
22	0.82	0.72	0.84	1.62	3.03	4.91	3.34	1.83	1.25	1.07	1.07	0.79	
23	1.00	0.69	0.84	1.70	5.34	4.38	3.45	1.80	1.23	1.04	1.04	0.92	
24	1.18	0.68	1.02	1.90	6.80	3.92	3.17	1.78	1.20	1.03	0.96	0.93	
25	0.91	0.70	1.38	1.57	6.38	3.77	3.03	1.75	1.20	1.02	0.94	0.90	
26	0.83	2.04	1.13	1.69	6.42	3.73	3.00	1.73	1.19	1.03	0.93	0.85	
27	0.79	1.82	0.99	1.65	6.30	3.77	2.86	1.71	1.18	1.01	0.93	0.85	
28	0.76	1.74	3.04	1.65	6.08	3.46	2.75	1.68	1.18	1.01	0.99	0.87	
29	0.78	2.00	5.74	1.75	5.71	3.24	2.70	1.67	1.22	1.01	1.05	0.99	
30	0.76	1.60	5.37	1.59	5.30	3.06	2.60	1.66	1.28	1.00		1.05	
31		1.62		1.89	4.83		2.53		1.36	1.00		0.87	
MEAN	0.79	1.00	1.75	1.89	3.89	5.17	4.10	2.08	1.37	1.10	1.06	0.86	
MAX	1.18	2.04	5.74	3.73	6.80	7.20	7.03	2.75	1.64	1.36	1.53	1.05	7.20
MIN	0.68	0.68	0.84	1.44	2.01	3.06	2.53	1.66	1.18	1.00	0.92	0.79	0.68

ANNUAL MAX MOMENTARY GAGE HEIGHT 7.23 M (A.D), AT 8.00 HOURS, ON SEP 14, 1983
ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D), RIVER BED -0.04 M (A.D)
LEFT BANK ELEVATION 8.13 M (A.D)
RIGHT BANK ELEVATION 6.99 M (A.D), DRAINAGE AREA 1651 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	2.89	2.40	24.15	43.58	17.30	59.10	29.48	24.45	11.87	8.51	4.41	4.41	
2	2.80	2.24	25.50	25.20	27.30	60.30	27.75	24.60	11.61	7.72	4.51	4.03	
3	2.80	2.97	13.43	18.56	33.48	52.57	34.60	23.27	11.61	7.15	4.41	3.57	
4	2.72	3.84	8.29	15.93	30.76	78.48	73.84	27.45	11.48	6.70	4.32	3.31	
5	2.72	3.05	7.15	13.82	21.38	89.86	146.35	25.05	11.23	6.59	4.32	3.14	
6	2.64	3.75	5.02	11.87	18.00	75.65	117.62	22.40	11.10	6.49	4.32	3.05	
7	2.56	3.14	4.41	10.60	16.74	84.91	101.76	20.94	11.10	6.17	4.32	2.89	
8	2.48	2.80	10.10	9.76	18.28	103.08	93.84	20.10	10.85	5.96	4.22	3.14	
9	2.48	2.56	18.84	9.42	27.60	85.17	78.72	19.26	9.53	5.86	4.13	3.14	
10	2.40	2.40	21.09	10.10	43.75	76.80	69.08	18.56	8.74	5.75	3.84	3.23	
11	2.40	2.16	15.39	17.02	57.70	69.08	68.43	18.14	8.63	5.75	3.84	3.31	
12	2.32	2.00	14.73	15.65	61.10	81.36	66.49	20.10	8.51	5.75	4.03	3.14	
13	2.32	3.05	13.17	12.26	49.66	108.00	67.14	22.11	8.40	5.75	4.32	3.05	
14	2.32	4.03	11.74	10.35	39.77	176.00	57.90	19.26	8.29	5.65	5.12	2.97	
15	2.00	4.41	9.53	13.82	45.34	170.15	50.02	17.30	8.17	5.65	6.93	2.80	
16	1.89	3.65	6.59	17.44	44.28	158.45	48.40	16.46	7.95	5.55	8.85	2.80	
17	1.89	3.23	5.44	18.42	37.22	126.48	56.94	16.20	7.83	5.55	8.74	2.72	
18	2.00	4.32	4.51	25.65	30.76	99.86	50.38	16.06	7.61	5.44	10.48	2.72	
19	2.16	4.13	4.03	23.70	25.50	84.91	45.34	15.65	7.61	5.34	10.10	2.72	
20	2.72	2.89	3.65	14.47	27.75	72.52	41.83	14.99	7.49	5.44	6.49	2.80	
21	3.23	2.40	3.40	11.48	23.41	66.28	37.90	14.60	7.27	5.44	5.65	2.72	
22	2.97	2.16	3.14	11.61	31.88	66.06	36.88	14.34	7.27	5.34	5.34	2.72	
23	4.60	1.95	3.14	12.65	75.42	55.42	38.75	13.95	7.04	5.02	5.02	3.84	
24	6.49	1.89	4.81	15.25	123.20	46.96	34.12	13.69	6.70	4.91	4.22	3.94	
25	3.75	2.00	8.74	10.98	103.74	44.28	31.88	13.30	6.70	4.81	4.03	3.65	
26	3.05	17.16	5.96	12.52	105.12	43.58	31.40	13.04	6.59	4.91	3.94	3.23	
27	2.72	14.21	4.51	12.00	101.10	44.28	29.16	12.78	6.49	4.71	3.94	3.23	
28	2.48	13.17	32.04	12.00	94.42	38.92	27.45	12.39	6.49	4.71	4.51	3.40	
29	2.64	16.60	85.17	13.30	84.40	35.24	26.70	12.26	6.93	4.71	5.12	4.51	
30	2.48	11.35	76.11	11.23	74.50	32.36	25.20	12.13	7.61	4.60		5.12	
31		11.61		15.12	64.34		24.15		8.51	4.60		3.40	
TOTAL	82.92	157.52	453.78	475.76	1555.20	2386.11	1669.50	534.83	267.21	176.53	153.47	102.70	8015.53 CMSDAY
MEAN	2.76	5.08	15.13	15.35	50.17	79.54	53.85	17.83	8.62	5.69	5.29	3.31	21.90 CMS
MAX	6.49	17.16	85.17	43.58	123.20	176.00	146.35	27.45	11.87	8.51	10.48	5.12	176.00 CMS
MIN	1.89	1.89	3.14	9.42	16.74	32.36	24.15	12.13	6.49	4.60	3.84	2.72	1.89 CMS
RUNOFF	7.164	13.610	39.207	41.106	134.369	206.160	144.245	46.209	23.087	15.252	13.260	8.873	692.542 MCM

MOMENTARY PEAK 182.75 CMS, AT 7.23 M (A.D), AT 8.00 HOURS, ON SEP 14, 1983

RUNOFF YIELD 13.26 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 110.69 LITERS/SECOND/SQUARE KM

WATER YEAR 1983

NAN RIVER BASIN

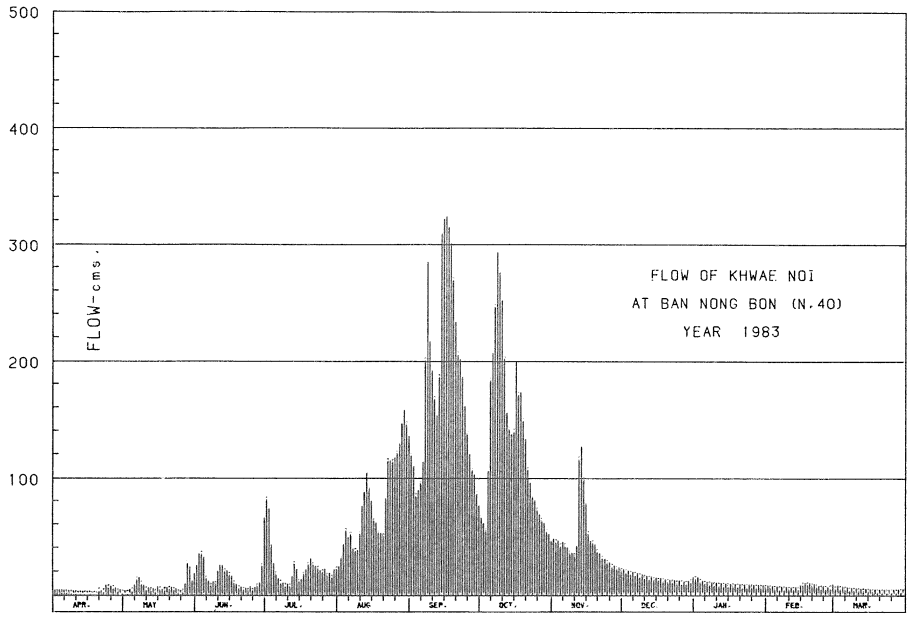
KHWAE NOI RIVER AT BAN NONG BON, PHITSANULOK (N.40)

LOCATION	LAT. 17°-13'-14" N., LONG. 100°-21'-10" E., ON LEFT BANK ABOUT 2 KILOMETERS UPSTREAM FROM BAN NONG BON, AMPHOE WAT BOT, PHITSANULOK.
DRAINAGE AREA	4,340 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM	+0.00 M. (A.D.)
BENCH MARK	B.M.-H.D.
LOCATION	B.M.1 ABOUT 4 METERS SOUTH OF THE GAGE SITE, B.M.2 ABOUT 90 METERS SOUTH OF THE GAGE SITE.
ELEVATION	B.M.1=+14.45 M. (A.D.), B.M.2=+14.40 M. (A.D.)
GAGE READING FREQUENCY	5-TIME DAILY READINGS AT 06.00, 09.00, 12.00, 15.00 AND 18.00 HOURS.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 5 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1967 - 1968, 1972 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1977 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1977 TO DATE.
STABILITY OF CHANNEL REGIMES	STABLE.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS GOOD. STAGE-DISCHARGE RELATION DEFINED BY 89 DISCHARGE MEASUREMENTS MADE IN 1983.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.64	0.60	1.54	3.07	1.45	3.83	2.74	2.23	1.38	1.18	0.83	0.78	
2	0.64	0.61	1.81	2.87	1.74	3.60	2.56	2.21	1.36	1.15	0.81	0.83	
3	0.64	0.66	1.87	2.06	2.08	3.14	2.45	2.19	1.34	1.09	0.80	0.79	
4	0.64	0.71	1.71	1.54	2.45	3.19	3.52	2.10	1.32	1.03	0.79	0.78	
5	0.63	0.85	1.17	1.31	2.26	3.34	4.99	2.15	1.30	1.01	0.79	0.76	
6	0.62	1.15	1.01	1.11	2.37	3.68	5.35	2.11	1.29	0.99	0.78	0.76	
7	0.62	1.14	0.91	1.05	1.95	5.28	5.95	1.99	1.27	0.98	0.78	0.73	
8	0.61	1.00	0.98	0.93	1.96	6.47	6.59	1.90	1.25	0.96	0.77	0.73	
9	0.60	0.84	0.98	0.91	1.91	5.54	6.37	1.84	1.24	0.95	0.77	0.72	
10	0.59	0.76	1.32	0.88	2.38	5.10	6.00	1.83	1.21	0.94	0.76	0.71	
11	0.58	0.73	1.55	0.88	2.92	4.73	5.30	2.04	1.19	0.93	0.75	0.70	
12	0.58	0.72	1.48	1.17	3.20	4.46	4.50	3.76	1.18	0.92	0.75	0.69	
13	0.58	0.69	1.38	1.58	3.49	5.04	4.28	3.94	1.17	0.92	0.76	0.69	
14	0.58	0.65	1.34	1.37	3.23	6.82	4.15	3.41	1.15	0.91	0.76	0.68	
15	0.58	0.78	1.28	1.09	3.01	7.03	4.24	2.97	1.14	0.91	0.84	0.68	
16	0.57	0.76	1.18	1.08	2.66	7.03	5.22	2.39	1.13	0.90	0.93	0.67	
17	0.57	0.66	1.01	1.28	2.57	6.93	4.79	2.18	1.13	0.90	0.94	0.66	
18	0.56	0.74	0.88	1.36	2.41	6.70	4.79	2.19	1.11	0.89	0.95	0.66	
19	0.56	0.74	0.81	1.56	2.35	6.28	4.42	2.08	1.09	0.89	0.93	0.65	
20	0.71	0.77	0.76	1.67	2.33	5.74	4.07	1.94	1.08	0.88	0.90	0.65	
21	0.60	0.75	0.73	1.56	3.05	5.37	3.58	1.83	1.07	0.87	0.89	0.65	
22	0.67	0.73	0.71	1.46	3.73	5.26	3.32	1.75	1.06	0.87	0.86	0.65	
23	0.84	0.69	0.69	1.45	3.70	5.05	3.13	1.67	1.05	0.86	0.82	0.65	
24	0.84	0.63	0.78	1.34	3.72	4.59	3.02	1.63	1.02	0.86	0.81	0.65	
25	0.80	0.61	0.69	1.36	3.75	4.20	2.89	1.57	1.04	0.86	0.80	0.65	
26	0.81	0.66	0.74	1.38	3.86	3.81	2.75	1.52	1.02	0.85	0.79	0.65	
27	0.73	0.89	0.88	1.25	3.99	3.57	2.67	1.48	1.00	0.85	0.77	0.65	
28	0.67	1.60	0.93	1.26	4.38	3.46	2.57	1.46	1.00	0.85	0.82	0.66	
29	0.65	1.44	1.52	1.20	4.54	3.17	2.43	1.43	1.02	0.84	0.87	0.67	
30	0.62	1.11	2.68	1.36	4.37	2.93	2.33	1.40	1.08	0.84		0.68	
31		1.25		1.44	4.12		2.25		1.15	0.84		0.69	
MEAN	0.64	0.84	1.18	1.41	2.97	4.84	3.97	2.11	1.16	0.93	0.82	0.70	
MAX	0.84	1.60	2.68	3.07	4.54	7.03	6.59	3.94	1.38	1.18	0.95	0.83	7.03
MIN	0.56	0.60	0.69	0.88	1.45	2.93	2.25	1.40	1.00	0.84	0.75	0.65	0.56

ANNUAL MAX MOMENTARY GAGE HEIGHT 7.10 M (A.D), AT 9.00 HOURS, ON SEP 15, 1983
ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D), RIVER BED -0.50 M (A.D)
LEFT BANK ELEVATION 14.65 M (A.D)
RIGHT BANK ELEVATION 14.61 M (A.D), DRAINAGE AREA 4340 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	4.80	4.00	27.20	83.50	24.50	121.50	68.60	48.20	22.40	16.40	8.60	7.60	
2	4.80	4.20	35.30	73.80	33.20	110.00	61.40	47.40	21.80	15.50	8.20	8.60	
3	4.80	5.20	37.10	42.80	43.40	87.00	57.00	46.70	21.20	13.80	8.00	7.80	
4	4.80	6.20	32.30	27.20	57.00	89.50	106.00	44.00	20.60	12.60	7.80	7.60	
5	4.60	9.00	16.10	20.30	49.40	97.00	185.40	45.50	20.00	12.20	7.80	7.20	
6	4.40	15.50	12.20	14.30	53.80	114.00	207.00	44.30	19.70	11.80	7.60	7.20	
7	4.40	15.20	10.20	13.00	39.50	202.80	248.50	40.70	19.10	11.60	7.60	6.60	
8	4.20	12.00	11.60	10.60	39.80	284.90	293.30	38.00	18.50	11.20	7.40	6.60	
9	4.00	8.80	11.60	10.20	38.30	219.80	277.90	36.20	18.20	11.00	7.40	6.40	
10	3.80	7.20	20.60	9.60	54.20	192.00	252.00	35.90	17.30	10.80	7.20	6.20	
11	3.60	6.60	27.50	9.60	76.00	169.80	204.00	42.20	16.70	10.60	7.00	6.00	
12	3.60	6.40	25.40	16.10	90.00	153.60	156.00	118.00	16.40	10.40	7.00	5.80	
13	3.60	5.80	22.40	28.40	104.50	188.40	144.00	127.00	16.10	10.40	7.20	5.80	
14	3.60	5.00	21.20	22.10	91.50	309.40	137.50	100.50	15.50	10.20	7.20	5.60	
15	3.60	7.60	19.40	13.80	80.50	324.10	142.00	78.50	15.20	10.20	8.80	5.60	
16	3.40	7.20	16.40	13.60	65.40	324.10	199.20	54.60	14.90	10.00	10.60	5.40	
17	3.40	5.20	12.20	19.40	61.80	317.10	173.40	46.40	14.90	10.00	10.80	5.20	
18	3.20	6.80	9.60	21.80	55.40	301.00	173.40	46.70	14.30	9.80	11.00	5.20	
19	3.20	6.80	8.20	27.80	53.00	271.60	151.20	43.40	13.80	9.80	10.60	5.00	
20	6.20	7.40	7.20	31.10	52.20	233.80	133.50	39.20	13.60	9.60	10.00	5.00	
21	4.00	7.00	6.60	27.80	82.50	208.20	109.00	35.90	13.40	9.40	9.80	5.00	
22	5.40	6.60	6.20	24.80	116.50	201.60	96.00	33.50	13.20	9.40	9.20	5.00	
23	8.80	5.80	5.80	24.50	115.00	189.00	86.50	31.10	13.00	9.20	8.40	5.00	
24	8.80	4.60	7.60	21.20	116.00	161.40	81.00	29.90	12.40	9.20	8.20	5.00	
25	8.00	4.20	5.80	21.80	117.50	140.00	74.60	28.10	12.80	9.20	8.00	5.00	
26	8.20	5.20	6.80	22.40	123.00	120.50	69.00	26.60	12.40	9.00	7.80	5.00	
27	6.60	9.80	9.60	18.50	129.50	108.50	65.80	25.40	12.00	9.00	7.40	5.00	
28	5.40	29.00	10.60	18.80	149.00	103.00	61.80	24.80	12.00	9.00	8.40	5.20	
29	5.00	24.20	26.60	17.00	158.40	88.50	56.20	23.90	12.40	8.80	9.40	5.40	
30	4.40	14.30	66.20	21.80	148.50	76.50	52.20	23.00	13.60	8.80		5.60	
31		18.50		24.20	136.00		49.00		15.50	8.80		5.80	
TOTAL	146.60	281.30	535.50	751.80	2555.30	5508.60	4172.40	1405.60	492.90	327.70	244.40	183.40	16605.50 CMSDAY
MEAN	4.89	9.07	17.85	24.25	82.43	183.62	134.59	46.85	15.90	10.57	8.43	5.92	45.37 CMS
MAX	8.80	29.00	66.20	83.50	158.40	324.10	293.30	127.00	22.40	16.40	11.00	8.60	324.10 CMS
MIN	3.20	4.00	5.80	9.60	24.50	76.50	49.00	23.00	12.00	8.80	7.00	5.00	3.20 CMS
RUNOFF	12.666	24.304	46.267	64.956	220.778	475.943	360.495	121.444	42.587	28.313	21.116	15.846	1434.715 MCM

MOMENTARY PEAK 329.00 CMS, AT 7.10 M (A.D), AT 9.00 HOURS, ON SEP 15, 1983

RUNOFF YIELD 10.45 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 75.81 LITERS/SECOND/SQUARE KM

WATER YEAR 1983

NAN RIVER BASIN

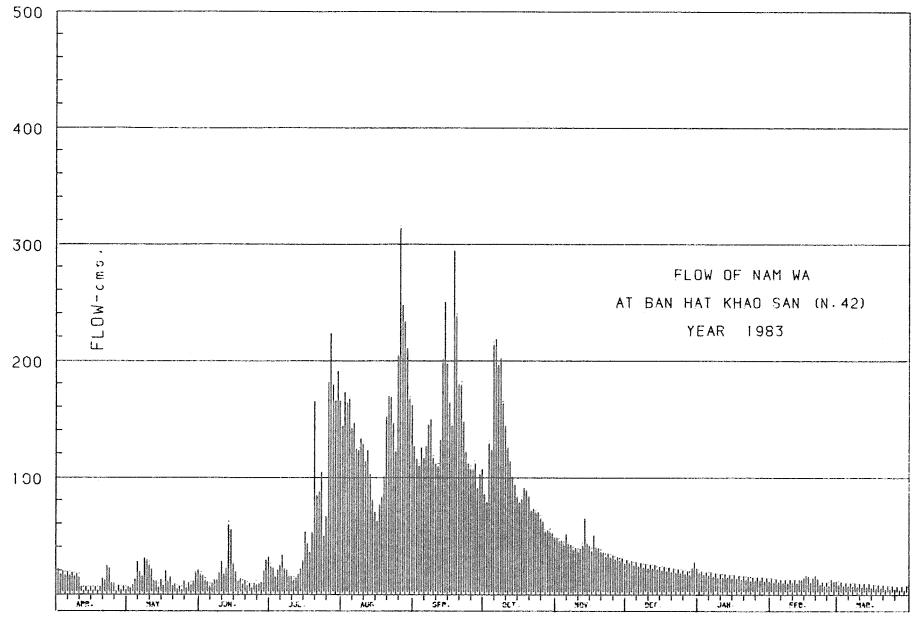
NAM WA AT BAN HAT KHAO SAN, NAN (N.42)

LOCATION	LAT. 18°-34'-08" N., LONG. 100°-52'-28" E., ON RIGHT BANK AT BAN HAT KHAO SAN, TAMBON LAI NAN, AMPHOE SA, NAN.
DRAINAGE AREA	2,107 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM	+0.00 M. (A.D.)
BENCH MARK	B.M.-H.D.
LOCATION	TOP OF THE GAGE SITE.
ELEVATION	+11.892 M. (A.D.)
GAGE READING FREQUENCY	5-TIME DAILY READINGS AT 06.00, 09.00, 12.00, 15.00 AND 18.00 HOURS.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 5 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1972 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1977 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1977 TO DATE.
STABILITY OF CHANNEL REGIMES	STABLE.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS GOOD. STAGE-DISCHARGE RELATION DEFINED BY 116 DISCHARGE MEASUREMENTS MADE IN 1983.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	1.75	1.53	1.72	1.81	3.04	2.90	2.50	2.08	1.85	1.75	1.65	1.61	
2	1.73	1.56	1.68	1.76	3.33	2.78	2.41	2.07	1.85	1.73	1.64	1.60	
3	1.73	1.56	1.65	1.70	3.22	2.74	2.92	2.05	1.84	1.73	1.64	1.59	
4	1.72	1.67	1.60	1.74	3.27	2.87	2.85	2.04	1.83	1.72	1.64	1.59	
5	1.72	1.83	1.58	1.82	3.02	2.81	3.66	2.11	1.83	1.72	1.63	1.59	
6	1.72	1.76	1.58	1.90	3.08	2.88	3.68	2.05	1.82	1.72	1.63	1.59	
7	1.71	1.67	1.66	1.79	2.86	3.07	3.52	2.01	1.82	1.71	1.63	1.59	
8	1.71	1.90	1.62	1.74	2.87	3.09	3.55	1.99	1.81	1.71	1.63	1.59	
9	1.70	1.85	1.74	1.70	2.94	2.81	3.23	1.98	1.81	1.70	1.63	1.58	
10	1.70	1.83	1.83	1.67	2.92	2.74	3.04	1.97	1.80	1.70	1.63	1.58	
11	1.53	1.75	1.73	1.66	2.76	2.74	2.89	1.97	1.80	1.70	1.63	1.58	
12	1.53	1.65	1.76	1.65	2.87	2.93	2.76	2.03	1.80	1.70	1.63	1.58	
13	1.53	1.61	2.23	1.73	2.65	3.54	2.65	2.26	1.80	1.70	1.63	1.58	
14	1.53	1.58	2.15	1.75	2.45	3.90	2.56	2.05	1.79	1.69	1.67	1.58	
15	1.53	1.63	1.84	1.87	2.32	3.53	2.48	2.00	1.78	1.69	1.65	1.57	
16	1.53	1.60	1.72	2.13	2.26	3.22	2.41	1.98	1.78	1.69	1.72	1.57	
17	1.53	1.73	1.65	2.05	2.39	3.06	2.46	2.10	1.78	1.69	1.67	1.56	
18	1.53	1.64	1.64	1.93	2.48	4.19	2.53	2.01	1.77	1.68	1.64	1.56	
19	1.53	1.66	1.62	2.15	2.63	3.83	2.54	1.98	1.77	1.68	1.65	1.56	
20	1.68	1.59	1.62	3.23	3.13	3.36	2.46	1.96	1.76	1.68	1.72	1.56	
21	1.62	1.57	1.60	2.49	3.27	3.38	2.36	1.93	1.76	1.67	1.64	1.55	
22	1.82	1.55	1.58	2.50	3.29	3.07	2.35	1.92	1.75	1.67	1.61	1.55	
23	1.76	1.54	1.57	2.69	3.06	2.86	2.34	1.92	1.75	1.66	1.60	1.55	
24	1.63	1.54	1.58	2.09	2.86	2.74	2.32	1.91	1.75	1.66	1.60	1.55	
25	1.58	1.61	1.61	2.30	3.57	2.72	2.29	1.90	1.74	1.66	1.60	1.55	
26	1.52	1.55	1.57	3.38	4.31	2.69	2.23	1.89	1.74	1.66	1.60	1.54	
27	1.55	1.59	1.63	3.73	3.88	2.76	2.17	1.88	1.73	1.66	1.63	1.54	
28	1.54	1.60	1.73	3.36	3.80	2.53	2.15	1.87	1.73	1.66	1.65	1.54	
29	1.54	1.61	1.88	3.26	3.62	2.67	2.16	1.87	1.76	1.65	1.61	1.53	
30	1.53	1.74	1.88	3.46	3.27	2.69	2.12	1.85	1.86	1.65		1.55	
31		1.74		3.26	3.20		2.10		1.76	1.65		1.54	
MEAN	1.62	1.65	1.71	2.27	3.05	3.04	2.64	1.99	1.79	1.69	1.64	1.57	
MAX	1.82	1.90	2.23	3.73	4.31	4.19	3.68	2.26	1.86	1.75	1.72	1.61	4.31
MIN	1.52	1.53	1.57	1.65	2.26	2.53	2.10	1.85	1.73	1.65	1.60	1.53	1.52

ANNUAL MAX MOMENTARY GAGE HEIGHT 5.60 M (A.D), AT 21.00 HOURS, ON JUL 27, 1983
ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D), RIVER BED 0.06 M (A.D)
LEFT BANK ELEVATION 12.42 M (A.D)
RIGHT BANK ELEVATION 11.15 M (A.D), DRAINAGE AREA 2107 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	22.00	6.80	19.60	26.80	144.40	129.00	88.00	49.20	30.00	22.00	14.50	11.70	
2	20.40	8.60	16.60	22.80	176.30	116.00	79.00	48.30	30.00	20.40	13.80	11.00	
3	20.40	8.60	14.50	18.00	164.20	112.00	131.20	46.50	29.20	20.40	13.80	10.40	
4	19.60	15.90	11.00	21.20	169.70	125.70	123.50	45.60	28.40	19.60	13.80	10.40	
5	19.60	28.40	9.80	27.60	142.20	119.10	215.80	51.90	28.40	19.60	13.10	10.40	
6	19.60	22.80	9.80	34.00	148.80	126.80	218.40	46.50	27.60	19.60	13.10	10.40	
7	18.80	15.90	15.20	25.20	124.60	147.70	198.40	42.90	27.60	18.80	13.10	10.40	
8	18.80	34.00	12.40	21.20	125.70	149.90	202.00	41.20	26.80	18.80	13.10	10.40	
9	18.00	30.00	21.20	18.00	133.40	119.10	165.30	40.40	26.80	18.00	13.10	9.80	
10	18.00	28.40	28.40	15.90	131.20	112.00	144.40	39.60	26.00	18.00	13.10	9.80	
11	6.80	22.00	20.40	15.20	114.00	112.00	127.90	39.60	26.00	18.00	13.10	9.80	
12	6.80	14.50	22.80	14.50	125.70	132.30	114.00	44.70	26.00	18.00	13.10	9.80	
13	6.80	11.70	62.70	20.40	103.00	200.80	103.00	65.40	26.00	18.00	13.10	9.80	
14	6.80	9.80	55.50	22.00	83.00	250.50	94.00	46.50	25.20	17.30	15.90	9.80	
15	6.80	13.10	29.20	31.60	70.80	199.60	86.00	42.00	24.40	17.30	14.50	9.20	
16	6.80	11.00	19.60	53.70	65.40	164.20	79.00	40.40	24.40	17.30	19.60	9.20	
17	6.80	20.40	14.50	46.50	77.10	146.60	84.00	51.00	24.40	17.30	15.90	8.60	
18	6.80	13.80	13.80	36.40	86.00	294.40	91.00	42.90	23.60	16.60	13.80	8.60	
19	6.80	15.20	12.40	55.50	101.00	240.17	92.00	40.40	23.60	16.60	14.50	8.60	
20	16.60	10.40	12.40	165.30	154.30	179.60	84.00	38.80	22.80	16.60	19.60	8.60	
21	12.40	9.20	11.00	87.00	169.70	181.80	74.40	36.40	22.80	15.90	13.80	8.00	
22	27.60	8.00	9.80	88.00	171.90	147.70	73.50	35.60	22.00	15.90	11.70	8.00	
23	22.80	7.40	9.20	107.00	146.60	124.60	72.60	35.60	22.00	15.20	11.00	8.00	
24	13.10	7.40	9.80	50.10	124.60	112.00	70.80	34.80	22.00	15.20	11.00	8.00	
25	9.80	11.70	11.70	69.00	204.40	110.00	68.10	34.00	21.20	15.20	11.00	8.00	
26	6.20	8.00	9.20	181.80	315.80	107.00	62.70	33.20	21.20	15.20	11.00	7.40	
27	8.00	10.40	13.10	225.43	247.55	114.00	57.30	32.40	20.40	15.20	13.10	7.40	
28	7.40	11.00	20.40	179.60	235.75	91.00	55.50	31.60	20.40	15.20	14.50	7.40	
29	7.40	11.70	32.40	168.60	210.60	105.00	56.40	31.60	22.80	14.50	11.70	6.80	
30	6.80	21.20	32.40	191.20	169.70	107.00	52.80	30.00	30.80	14.50		8.00	
31		21.20		168.60	162.00		51.00		22.80	14.50		7.40	
TOTAL	394.50	468.50	580.80	2208.13	4599.40	4377.57	3216.00	1239.00	775.60	534.70	396.40	281.10	19071.70 CMSDAY
MEAN	13.15	15.11	19.36	71.23	148.37	145.92	103.74	41.30	25.02	17.25	13.67	9.07	52.11 CMS
MAX	27.60	34.00	62.70	225.43	315.80	294.40	218.40	65.40	30.80	22.00	19.60	11.70	315.80 CMS
MIN	6.20	6.80	9.20	14.50	65.40	91.00	51.00	30.00	20.40	14.50	11.00	6.80	6.20 CMS
RUNOFF	34.085	40.478	50.181	190.782	397.388	378.222	277.862	107.050	67.012	46.198	34.249	24.287	1647.795 MCM

MOMENTARY PEAK 586.00 CMS, AT 5.60 M (A.D), AT 21.00 HOURS, ON JUL 27, 1983
RUNOFF YIELD 24.73 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 278.12 LITERS/SECOND/SQUARE KM

WATER YEAR 1983

NAN RIVER BASIN

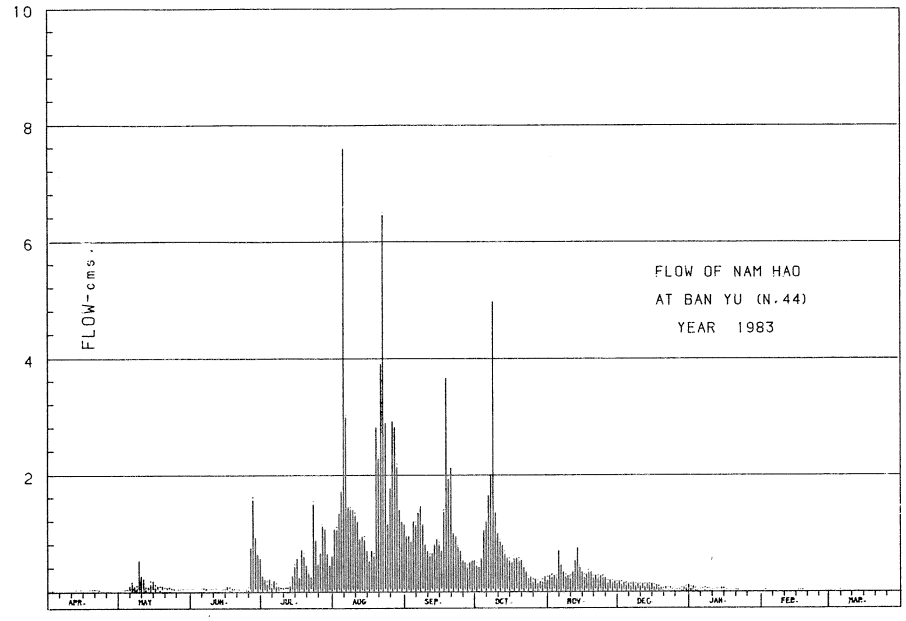
NAM HAO AT BAN NA PHUAK, NAN (N.44)

LOCATION	LAT. 19°-05′-06″ N., LONG. 100°-50′-59″ E., ON RIGHT BANK DOWNSTREAM OF THE BRIDGE, ALONG THA WANG PHA-SILA PHET ROAD AT BAN NA PHUAK, TAMBON YOM, AMPHOE THA WANG PHA, NAN.
DRAINAGE AREA	41 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM	+0.00 M. (A.D.)
BENCH MARK	B.M.-H.D.
LOCATION	NEAR B.M.5 OF HIGHWAYS DEPT.
ELEVATION	+6.752 M. (A.D.)
GAGE READING FREQUENCY	5-TIME DAILY READINGS AT 06.00, 09.00, 12.00, 15.00 AND 18.00 HOURS.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 5 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1978 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1979 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1979 TO DATE.
STABILITY OF CHANNEL REGIMES	FAIRLY STABLE.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS FAIR. STAGE-DISCHARGE RELATION DEFINED BY 26 DISCHARGE MEASUREMENTS MADE IN 1983.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.14	0.15	0.20	0.44	0.67	0.46	0.35	0.29	0.24	0.19	0.12	0.11	
2	0.14	0.16	0.18	0.37	0.68	0.45	0.33	0.30	0.24	0.19	0.13	0.11	
3	0.14	0.18	0.20	0.36	0.72	0.44	0.38	0.29	0.23	0.17	0.12	0.12	
4	0.14	0.19	0.20	0.38	0.78	0.50	0.47	0.29	0.23	0.14	0.12	0.12	
5	0.14	0.30	0.22	0.32	1.30	0.50	0.51	0.40	0.22	0.15	0.12	0.13	
6	0.14	0.35	0.23	0.36	0.79	0.53	0.59	0.35	0.22	0.16	0.12	0.11	
7	0.14	0.29	0.21	0.33	0.55	0.56	0.65	0.31	0.23	0.17	0.12	0.11	
8	0.14	0.31	0.21	0.28	0.55	0.49	1.03	0.30	0.22	0.16	0.12	0.11	
9	0.14	0.53	0.20	0.24	0.54	0.43	0.54	0.29	0.22	0.16	0.12	0.11	
10	0.15	0.44	0.21	0.24	0.53	0.40	0.46	0.29	0.22	0.15	0.12	0.11	
11	0.15	0.39	0.22	0.24	0.50	0.39	0.44	0.31	0.22	0.14	0.12	0.10	
12	0.15	0.29	0.21	0.25	0.45	0.39	0.42	0.37	0.22	0.15	0.12	0.10	
13	0.15	0.29	0.21	0.34	0.45	0.43	0.40	0.41	0.22	0.15	0.12	0.11	
14	0.15	0.36	0.21	0.41	0.45	0.44	0.37	0.34	0.22	0.17	0.13	0.11	
15	0.15	0.36	0.21	0.51	0.40	0.43	0.37	0.31	0.22	0.16	0.13	0.10	
16	0.15	0.32	0.28	0.54	0.37	0.40	0.35	0.30	0.21	0.14	0.12	0.10	
17	0.16	0.30	0.26	0.42	0.40	0.54	0.38	0.30	0.21	0.14	0.13	0.10	
18	0.17	0.30	0.22	0.59	0.39	0.87	0.37	0.32	0.20	0.14	0.13	0.09	
19	0.18	0.30	0.20	0.57	0.76	0.64	0.37	0.31	0.17	0.13	0.12	0.10	
20	0.18	0.25	0.20	0.50	0.69	0.66	0.36	0.29	0.16	0.14	0.11	0.10	
21	0.18	0.25	0.19	0.46	0.90	0.47	0.34	0.29	0.18	0.13	0.11	0.09	
22	0.17	0.25	0.18	0.40	1.19	0.45	0.31	0.29	0.18	0.12	0.11	0.09	
23	0.13	0.23	0.20	0.75	0.77	0.42	0.29	0.29	0.18	0.12	0.10	0.09	
24	0.13	0.20	0.20	0.63	0.50	0.40	0.28	0.29	0.15	0.12	0.11	0.09	
25	0.14	0.20	0.26	0.52	0.61	0.37	0.26	0.27	0.14	0.12	0.11	0.09	
26	0.15	0.19	0.60	0.57	0.78	0.35	0.26	0.25	0.14	0.11	0.11	0.09	
27	0.15	0.20	0.76	0.69	0.76	0.34	0.25	0.25	0.15	0.10	0.11	0.09	
28	0.14	0.20	0.64	0.67	0.67	0.35	0.24	0.25	0.17	0.11	0.11	0.09	
29	0.13	0.20	0.58	0.58	0.54	0.37	0.26	0.24	0.17	0.11	0.11	0.09	
30	0.14	0.20	0.54	0.50	0.51	0.36	0.28	0.24	0.20	0.11		0.08	
31		0.20		0.57	0.49		0.28		0.21	0.11		0.08	
MEAN	0.15	0.27	0.28	0.45	0.64	0.46	0.39	0.30	0.20	0.14	0.12	0.10	
MAX	0.18	0.53	0.76	0.75	1.30	0.87	1.03	0.41	0.24	0.19	0.13	0.13	1.30
MIN	0.13	0.15	0.18	0.24	0.37	0.34	0.24	0.24	0.14	0.10	0.10	0.08	0.08

ANNUAL MAX MOMENTARY GAGE HEIGHT 1.70 M (A.D), AT 6.00 HOURS, ON AUG 5, 1983
ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D), RIVER BED -0.19 M (A.D)
LEFT BANK ELEVATION 5.99 M (A.D)
RIGHT BANK ELEVATION 6.02 M (A.D), DRAINAGE AREA 41 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.02	0.03	0.05	0.33	1.07	1.00	0.50	0.28	0.18	0.09	0.02	0.01	
2	0.02	0.03	0.04	0.21	1.11	0.95	0.42	0.30	0.18	0.09	0.03	0.01	
3	0.02	0.04	0.05	0.19	1.34	0.90	0.62	0.28	0.16	0.07	0.02	0.02	
4	0.02	0.04	0.05	0.22	1.76	1.20	1.05	0.28	0.16	0.04	0.02	0.02	
5	0.02	0.10	0.06	0.13	7.60	1.20	1.25	0.70	0.14	0.05	0.02	0.03	
6	0.02	0.17	0.07	0.19	3.03	1.35	1.65	0.50	0.14	0.06	0.02	0.01	
7	0.02	0.09	0.05	0.15	1.45	1.50	2.05	0.34	0.16	0.07	0.02	0.01	
8	0.02	0.11	0.05	0.09	1.45	1.15	4.97	0.30	0.14	0.06	0.02	0.01	
9	0.02	0.54	0.05	0.07	1.40	0.85	1.40	0.28	0.14	0.06	0.02	0.01	
10	0.03	0.33	0.05	0.07	1.35	0.70	1.00	0.28	0.14	0.05	0.02	0.01	
11	0.03	0.23	0.06	0.07	1.20	0.66	0.90	0.34	0.14	0.04	0.02	0.00	
12	0.03	0.09	0.05	0.08	0.95	0.66	0.80	0.58	0.14	0.05	0.02	0.00	
13	0.03	0.09	0.05	0.16	0.95	0.85	0.70	0.75	0.14	0.05	0.02	0.01	
14	0.03	0.19	0.05	0.27	0.95	0.90	0.58	0.46	0.14	0.07	0.03	0.01	
15	0.03	0.19	0.05	0.48	0.70	0.85	0.58	0.34	0.14	0.06	0.03	0.00	
16	0.03	0.13	0.09	0.57	0.58	0.70	0.50	0.30	0.12	0.04	0.02	0.00	
17	0.03	0.10	0.08	0.29	0.70	1.40	0.62	0.30	0.12	0.04	0.03	0.00	
18	0.03	0.10	0.06	0.72	0.66	3.66	0.58	0.38	0.10	0.04	0.03	0.00	
19	0.04	0.10	0.05	0.66	2.82	1.98	0.58	0.34	0.07	0.03	0.02	0.00	
20	0.04	0.08	0.05	0.45	2.33	2.12	0.54	0.28	0.06	0.04	0.01	0.00	
21	0.04	0.08	0.04	0.37	3.90	1.05	0.46	0.28	0.08	0.03	0.01	0.00	
22	0.03	0.08	0.04	0.25	6.50	0.95	0.34	0.28	0.08	0.02	0.01	0.00	
23	0.01	0.07	0.05	1.55	2.89	0.80	0.28	0.28	0.08	0.02	0.00	0.00	
24	0.01	0.05	0.05	0.88	1.20	0.70	0.26	0.28	0.05	0.02	0.01	0.00	
25	0.02	0.05	0.08	0.51	1.77	0.58	0.22	0.24	0.04	0.02	0.01	0.00	
26	0.03	0.04	0.75	0.66	2.96	0.50	0.22	0.20	0.04	0.01	0.01	0.00	
27	0.03	0.05	1.62	1.16	2.82	0.46	0.20	0.20	0.05	0.00	0.01	0.00	
28	0.02	0.05	0.93	1.07	2.19	0.50	0.18	0.20	0.07	0.01	0.01	0.00	
29	0.01	0.05	0.69	0.69	1.40	0.58	0.22	0.18	0.07	0.01	0.01	0.00	
30	0.02	0.05	0.57	0.45	1.25	0.54	0.26	0.18	0.10	0.01		0.00	
31		0.05		0.66	1.15		0.26		0.12	0.01		0.00	
TOTAL	0.75	3.40	5.93	13.65	61.43	31.24	24.19	9.93	3.49	1.26	0.52	0.16	155.95 CMSDAY
MEAN	0.02	0.11	0.20	0.44	1.98	1.04	0.78	0.33	0.11	0.04	0.02	0.01	0.43 CMS
MAX	0.04	0.54	1.62	1.55	7.60	3.66	4.97	0.75	0.18	0.09	0.03	0.03	7.60 CMS
MIN	0.01	0.03	0.04	0.07	0.58	0.46	0.18	0.18	0.04	0.00	0.00	0.00	0.00 CMS
RUNOFF	0.065	0.294	0.512	1.179	5.308	2.699	2.090	0.858	0.302	0.109	0.045	0.014	13.474 MCM

MOMENTARY PEAK 12.30 CMS, AT 1.70 M (A.D), AT 6.00 HOURS, ON AUG 5, 1983
RUNOFF YIELD 10.39 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 300.00 LITERS/SECOND/SQUARE KM

WATER YEAR 1983

NAN RIVER BASIN

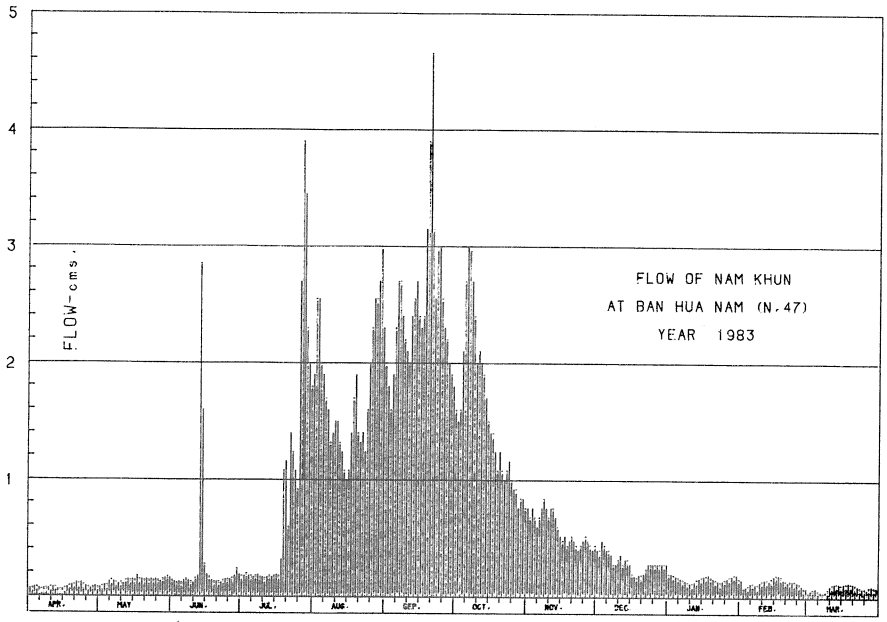
NAM KHUN AT BAN HUA NAM, NAN (N.47)

LOCATION	LAT. 19°-08'-36" N., LONG. 100°-57'-08" E., ON LEFT BANK NEAR WAT PA MUAT AT BAN HUA NAM, AMPHOE PUA, NAN.
DRAINAGE AREA	35 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM	+0.00 M. (A.D.)
BENCH MARK	B.M.-H.D.
LOCATION	INFRONT OF THE GAGE OBSERVER'S HOUSE.
ELEVATION	+15.652 M. (A.D.)
GAGE READING FREQUENCY	5-TIME DAILY READINGS AT 06.00, 09.00, 12.00, 15.00 AND 18.00 HOURS.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 5 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1978 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1979 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1979 TO DATE.
STABILITY OF CHANNEL REGIMES	FAIRLY STABLE.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS FAIR. STAGE-DISCHARGE RELATION DEFINED BY 27 DISCHARGE MEASUREMENTS MADE IN 1983.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.97	0.98	1.04	1.08	1.35	1.36	1.32	1.22	1.15	1.10	1.05	0.94	
2	0.97	0.99	1.03	1.08	1.41	1.34	1.31	1.21	1.15	1.10	0.98	0.96	
3	0.98	1.00	1.02	1.10	1.41	1.32	1.32	1.22	1.17	1.09	0.99	0.97	
4	0.98	1.00	1.03	1.08	1.36	1.35	1.37	1.21	1.16	1.08	1.00	0.98	
5	0.97	1.03	1.02	1.08	1.35	1.39	1.42	1.20	1.15	1.07	1.02	0.96	
6	0.96	1.04	1.04	1.07	1.33	1.42	1.44	1.21	1.15	1.06	1.02	0.95	
7	0.97	1.03	1.05	1.08	1.32	1.42	1.44	1.22	1.14	1.05	1.01	0.94	
8	0.97	1.02	1.04	1.09	1.29	1.40	1.42	1.23	1.12	1.04	1.01	0.95	
9	0.97	1.01	1.03	1.07	1.30	1.38	1.40	1.22	1.12	1.03	1.03	0.97	
10	0.98	1.02	1.02	1.07	1.31	1.37	1.36	1.21	1.13	1.02	1.04	1.00	
11	0.98	1.01	1.06	1.06	1.31	1.36	1.37	1.22	1.14	1.02	1.05	1.01	
12	0.98	1.04	1.08	1.07	1.29	1.40	1.36	1.22	1.12	1.03	1.05	1.02	
13	0.96	1.05	1.43	1.08	1.28	1.41	1.35	1.21	1.13	1.05	1.04	1.02	
14	0.96	1.04	1.32	1.07	1.26	1.42	1.33	1.20	1.13	1.06	1.06	1.02	
15	0.96	1.05	1.12	1.08	1.25	1.40	1.31	1.18	1.12	1.07	1.08	1.01	
16	0.97	1.04	1.09	1.09	1.26	1.39	1.30	1.17	1.10	1.08	1.09	1.02	
17	0.98	1.08	1.07	1.08	1.30	1.40	1.30	1.18	1.08	1.08	1.09	1.02	
18	0.99	1.05	1.04	1.13	1.33	1.45	1.28	1.16	1.07	1.09	1.08	1.03	
19	1.00	1.05	1.03	1.26	1.35	1.50	1.26	1.17	1.09	1.07	1.05	1.02	
20	1.00	1.04	1.03	1.27	1.30	1.54	1.28	1.18	1.09	1.06	1.04	1.02	
21	1.02	1.05	1.03	1.20	1.29	1.45	1.26	1.17	1.10	1.05	1.03	1.01	
22	1.01	1.04	1.02	1.30	1.30	1.41	1.25	1.16	1.11	1.04	1.04	1.00	
23	1.02	1.05	1.04	1.28	1.28	1.44	1.26	1.15	1.12	1.03	1.04	0.99	
24	1.00	1.04	1.05	1.26	1.32	1.44	1.27	1.16	1.12	1.04	1.04	0.98	
25	0.99	1.05	1.05	1.24	1.36	1.41	1.25	1.17	1.12	1.05	1.03	0.98	
26	0.98	1.04	1.05	1.42	1.39	1.39	1.24	1.18	1.12	1.06	1.02	0.97	
27	0.97	1.03	1.06	1.50	1.41	1.38	1.24	1.17	1.12	1.07	1.00	0.99	
28	0.98	1.05	1.08	1.47	1.41	1.36	1.22	1.16	1.12	1.08	0.98	1.00	
29	0.99	1.06	1.11	1.39	1.42	1.35	1.23	1.15	1.12	1.09	0.98	0.99	
30	0.98	1.07	1.09	1.36	1.44	1.34	1.23	1.16	1.12	1.09		0.99	
31		1.06		1.34	1.39		1.22		1.12	1.06		0.99	
MEAN	0.98	1.04	1.07	1.19	1.33	1.40	1.31	1.19	1.12	1.06	1.03	0.99	
MAX	1.02	1.08	1.43	1.50	1.44	1.54	1.44	1.23	1.17	1.10	1.09	1.03	1.54
MIN	0.96	0.98	1.02	1.06	1.25	1.32	1.22	1.15	1.07	1.02	0.98	0.94	0.94

ANNUAL MAX MOMENTARY GAGE HEIGHT 1.56 M (A.D), AT 15.00 HOURS, ON SEP 20, 1983
ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D), RIVER BED 0.90 M (A.D)
LEFT BANK ELEVATION 8.52 M (A.D)
RIGHT BANK ELEVATION 8.17 M (A.D), DRAINAGE AREA 35 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.07	0.08	0.14	0.18	1.90	2.00	1.60	0.76	0.40	0.20	0.15	0.04	
2	0.07	0.09	0.13	0.18	2.55	1.80	1.50	0.68	0.40	0.20	0.08	0.06	
3	0.08	0.10	0.12	0.20	2.55	1.60	1.60	0.76	0.48	0.19	0.09	0.07	
4	0.08	0.10	0.13	0.18	2.00	1.90	2.10	0.68	0.44	0.18	0.10	0.08	
5	0.07	0.13	0.12	0.18	1.90	2.30	2.70	0.60	0.40	0.17	0.12	0.06	
6	0.06	0.14	0.14	0.17	1.70	2.70	3.00	0.68	0.40	0.16	0.12	0.05	
7	0.07	0.13	0.15	0.18	1.60	2.70	3.00	0.76	0.36	0.15	0.11	0.04	
8	0.07	0.12	0.14	0.19	1.32	2.40	2.70	0.84	0.28	0.14	0.11	0.05	
9	0.07	0.11	0.13	0.17	1.40	2.20	2.40	0.76	0.28	0.13	0.13	0.07	
10	0.08	0.12	0.12	0.17	1.50	2.10	2.00	0.68	0.32	0.12	0.14	0.10	
11	0.08	0.11	0.16	0.16	1.50	2.00	2.10	0.76	0.36	0.12	0.15	0.11	
12	0.08	0.14	0.18	0.17	1.32	2.40	2.00	0.76	0.28	0.13	0.15	0.12	
13	0.06	0.15	2.85	0.18	1.24	2.55	1.90	0.68	0.32	0.15	0.14	0.12	
14	0.06	0.14	1.60	0.17	1.08	2.70	1.70	0.60	0.32	0.16	0.16	0.12	
15	0.06	0.15	0.28	0.18	1.00	2.40	1.50	0.52	0.28	0.17	0.18	0.11	
16	0.07	0.14	0.19	0.19	1.08	2.30	1.40	0.48	0.20	0.18	0.19	0.12	
17	0.08	0.18	0.17	0.18	1.40	2.40	1.40	0.52	0.18	0.18	0.19	0.12	
18	0.09	0.15	0.14	0.32	1.70	3.15	1.24	0.44	0.17	0.19	0.18	0.13	
19	0.10	0.15	0.13	1.08	1.90	3.90	1.08	0.48	0.19	0.17	0.15	0.12	
20	0.10	0.14	0.13	1.16	1.40	4.66	1.24	0.52	0.19	0.16	0.14	0.12	
21	0.12	0.15	0.13	0.60	1.32	3.15	1.08	0.48	0.20	0.15	0.13	0.11	
22	0.11	0.14	0.12	1.40	1.40	2.55	1.00	0.44	0.24	0.14	0.14	0.10	
23	0.12	0.15	0.14	1.24	1.24	3.00	1.08	0.40	0.28	0.13	0.14	0.09	
24	0.10	0.14	0.15	1.08	1.60	3.00	1.16	0.44	0.28	0.14	0.14	0.08	
25	0.09	0.15	0.15	0.92	2.00	2.55	1.00	0.48	0.28	0.15	0.13	0.08	
26	0.08	0.14	0.15	2.70	2.30	2.30	0.92	0.52	0.28	0.16	0.12	0.07	
27	0.07	0.13	0.16	3.90	2.55	2.20	0.92	0.48	0.28	0.17	0.10	0.09	
28	0.08	0.15	0.18	3.45	2.55	2.00	0.76	0.44	0.28	0.18	0.08	0.10	
29	0.09	0.16	0.24	2.30	2.70	1.90	0.84	0.40	0.28	0.19	0.08	0.09	
30	0.08	0.17	0.19	2.00	3.00	1.80	0.84	0.44	0.28	0.19		0.09	
31		0.16		1.80	2.30		0.76		0.28	0.16		0.09	
TOTAL	2.44	4.21	8.76	26.98	55.00	74.61	48.52	17.48	9.21	5.01	3.84	2.80	258.86 CMSDAY
MEAN	0.08	0.14	0.29	0.87	1.77	2.49	1.57	0.58	0.30	0.16	0.13	0.09	0.71 CMS
MAX	0.12	0.18	2.85	3.90	3.00	4.66	3.00	0.84	0.48	0.20	0.19	0.13	4.66 CMS
MIN	0.06	0.08	0.12	0.16	1.00	1.60	0.76	0.40	0.17	0.12	0.08	0.04	0.04 CMS
RUNOFF	0.211	0.364	0.757	2.331	4.752	6.446	4.192	1.510	0.796	0.433	0.332	0.242	22.366 MCM

MOMENTARY PEAK 5.04 CMS, AT 1.56 M (A.D), AT 15.00 HOURS, ON SEP 20, 1983

RUNOFF YIELD 20.21 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 144.00 LITERS/SECOND/SQUARE KM

WATER YEAR 1983

NAN RIVER BASIN

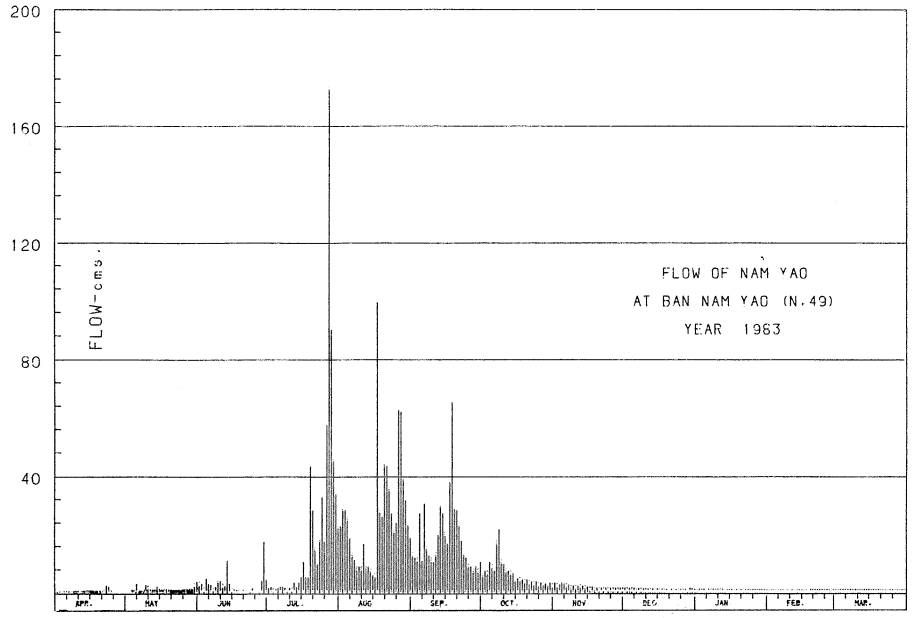
NAM YAO AT BAN NAM YAO, NAN (N.49)

LOCATION	LAT. 18°-59'-29" N., LONG. 100°-56'-32" E., ON RIGHT BANK DOWNSTREAM OF THE BRIDGE OF NAM YAO, ALONG PUA-SILA PHET ROAD AT BAN NAM YAO, AMPHOE PUA, NAN.
DRAINAGE AREA	155 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM	+0.00 M. (A.D.)
BENCH MARK	B.M.-H.D.
LOCATION	NEAR THE TOP OF STAFF GAGE.
ELEVATION	+6.052 M. (A.D.)
GAGE READING FREQUENCY	5-TIME DAILY READINGS AT 06.00, 09.00, 12.00, 15.00 AND 18.00 HOURS.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 5 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1979 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1979 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1979 TO DATE.
STABILITY OF CHANNEL REGIMES	STABLE.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS FAIR. STAGE-DISCHARGE RELATION DEFINED BY 27 DISCHARGE MEASUREMENTS MADE IN 1983.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	1.31	1.28	1.46	1.44	1.70	1.61	1.52	1.45	1.40	1.37	1.35	1.36	
2	1.31	1.30	1.44	1.41	1.76	1.59	1.53	1.44	1.40	1.37	1.35	1.36	
3	1.31	1.36	1.40	1.39	1.75	1.59	1.53	1.43	1.40	1.37	1.35	1.36	
4	1.31	1.35	1.49	1.38	1.73	1.74	1.57	1.49	1.40	1.37	1.35	1.36	
5	1.31	1.44	1.48	1.44	1.66	1.59	1.56	1.44	1.40	1.37	1.35	1.36	
6	1.31	1.36	1.43	1.41	1.61	1.77	1.53	1.44	1.39	1.37	1.35	1.36	
7	1.31	1.34	1.39	1.45	1.58	1.63	1.65	1.43	1.39	1.37	1.35	1.36	
8	1.31	1.40	1.41	1.40	1.55	1.60	1.69	1.42	1.39	1.37	1.35	1.36	
9	1.33	1.43	1.49	1.40	1.55	1.59	1.58	1.42	1.38	1.37	1.35	1.36	
10	1.33	1.42	1.47	1.40	1.55	1.57	1.56	1.42	1.38	1.37	1.35	1.36	
11	1.33	1.37	1.44	1.40	1.64	1.61	1.54	1.42	1.38	1.37	1.35	1.36	
12	1.33	1.36	1.42	1.45	1.55	1.67	1.53	1.43	1.38	1.37	1.35	1.36	
13	1.33	1.36	1.59	1.45	1.55	1.77	1.53	1.42	1.38	1.36	1.35	1.36	
14	1.33	1.45	1.44	1.45	1.54	1.74	1.52	1.42	1.38	1.36	1.35	1.36	
15	1.33	1.38	1.39	1.52	1.51	1.68	1.50	1.41	1.38	1.36	1.35	1.36	
16	1.33	1.36	1.37	1.57	1.52	1.64	1.49	1.41	1.38	1.36	1.35	1.36	
17	1.33	1.37	1.35	1.52	2.24	1.84	1.50	1.41	1.38	1.36	1.35	1.36	
18	1.33	1.37	1.35	1.50	1.75	2.04	1.48	1.40	1.37	1.36	1.36	1.36	
19	1.33	1.36	1.35	1.89	1.73	1.76	1.48	1.40	1.37	1.36	1.37	1.36	
20	1.33	1.36	1.35	1.75	1.89	1.75	1.48	1.40	1.37	1.36	1.36	1.35	
21	1.35	1.35	1.35	1.63	1.88	1.71	1.47	1.40	1.37	1.36	1.36	1.35	
22	1.46	1.35	1.34	1.56	1.82	1.65	1.46	1.40	1.37	1.36	1.36	1.35	
23	1.41	1.35	1.39	1.66	1.74	1.61	1.46	1.40	1.37	1.36	1.36	1.35	
24	1.34	1.36	1.39	1.79	1.69	1.59	1.46	1.40	1.37	1.36	1.36	1.35	
25	1.33	1.37	1.36	1.66	1.71	1.56	1.45	1.40	1.37	1.36	1.36	1.35	
26	1.30	1.37	1.34	1.99	2.03	1.55	1.45	1.40	1.37	1.36	1.36	1.35	
27	1.29	1.37	1.38	2.58	2.02	1.54	1.45	1.40	1.37	1.36	1.36	1.35	
28	1.29	1.38	1.47	2.19	1.85	1.55	1.44	1.40	1.38	1.36	1.36	1.35	
29	1.29	1.38	1.66	1.90	1.78	1.54	1.45	1.40	1.40	1.36	1.36	1.35	
30	1.28	1.45	1.48	1.80	1.71	1.57	1.45	1.40	1.38	1.36		1.35	
31		1.46		1.70	1.66		1.44		1.37	1.35		1.35	
MEAN	1.33	1.37	1.42	1.62	1.72	1.66	1.51	1.42	1.38	1.36	1.35	1.36	
MAX	1.46	1.46	1.66	2.58	2.24	2.04	1.69	1.49	1.40	1.37	1.37	1.36	2.58
MIN	1.28	1.28	1.34	1.38	1.51	1.54	1.44	1.40	1.37	1.35	1.35	1.35	1.28

ANNUAL MAX MOMENTARY GAGE HEIGHT 3.10 M (A.D), AT 6.00 HOURS, ON JUL 27, 1983
ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D), RIVER BED 0.30 M (A.D)
LEFT BANK ELEVATION 9.44 M (A.D)
RIGHT BANK ELEVATION 10.72 M (A.D), DRAINAGE AREA 155 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.65	0.30	4.10	3.40	23.00	14.00	7.00	3.75	2.00	1.55	1.25	1.40	
2	0.65	0.50	3.40	2.35	29.60	12.25	7.75	3.40	2.00	1.55	1.25	1.40	
3	0.65	1.40	2.00	1.85	28.50	12.25	7.75	3.05	2.00	1.55	1.25	1.40	
4	0.65	1.25	5.15	1.70	26.30	27.40	10.75	5.15	2.00	1.55	1.25	1.40	
5	0.65	3.40	4.80	3.40	19.00	12.25	10.00	3.40	2.00	1.55	1.25	1.40	
6	0.65	1.40	3.05	2.35	14.00	30.70	7.75	3.40	1.85	1.55	1.25	1.40	
7	0.65	1.10	1.85	3.75	11.50	16.00	18.00	3.05	1.85	1.55	1.25	1.40	
8	0.65	2.00	2.35	2.00	9.25	13.00	22.00	2.70	1.85	1.55	1.25	1.40	
9	0.95	3.05	5.15	2.00	9.25	12.25	11.50	2.70	1.70	1.55	1.25	1.40	
10	0.95	2.70	4.45	2.00	9.25	10.75	10.00	2.70	1.70	1.55	1.25	1.40	
11	0.95	1.55	3.40	2.00	17.00	14.00	8.50	2.70	1.70	1.55	1.25	1.40	
12	0.95	1.40	2.70	3.75	9.25	20.00	7.75	3.05	1.70	1.55	1.25	1.40	
13	0.95	1.40	12.25	3.75	9.25	30.70	7.75	2.70	1.70	1.40	1.25	1.40	
14	0.95	3.75	3.40	3.75	8.50	27.40	7.00	2.70	1.70	1.40	1.25	1.40	
15	0.95	1.70	1.85	7.00	6.25	21.00	5.50	2.35	1.70	1.40	1.25	1.40	
16	0.95	1.40	1.55	10.75	7.00	17.00	5.15	2.35	1.70	1.40	1.25	1.40	
17	0.95	1.55	1.25	7.00	99.60	38.80	5.50	2.35	1.70	1.40	1.25	1.40	
18	0.95	1.55	1.25	5.50	28.50	65.40	4.80	2.00	1.55	1.40	1.40	1.40	
19	0.95	1.40	1.25	44.80	26.30	29.60	4.80	2.00	1.55	1.40	1.55	1.40	
20	0.95	1.40	1.25	28.50	44.80	28.50	4.80	2.00	1.55	1.40	1.40	1.25	
21	1.25	1.25	1.25	16.00	43.60	24.10	4.45	2.00	1.55	1.40	1.40	1.25	
22	4.10	1.25	1.10	10.00	36.40	18.00	4.10	2.00	1.55	1.40	1.40	1.25	
23	2.35	1.25	1.85	19.00	27.40	14.00	4.10	2.00	1.55	1.40	1.40	1.25	
24	1.10	1.40	1.85	32.90	22.00	12.25	4.10	2.00	1.55	1.40	1.40	1.25	
25	0.95	1.55	1.40	19.00	24.10	10.00	3.75	2.00	1.55	1.40	1.40	1.25	
26	0.50	1.55	1.10	57.70	63.80	9.25	3.75	2.00	1.55	1.40	1.40	1.25	
27	0.40	1.55	1.70	173.40	62.20	8.50	3.75	2.00	1.55	1.40	1.40	1.25	
28	0.40	1.70	4.45	90.30	40.00	9.25	3.40	2.00	1.70	1.40	1.40	1.25	
29	0.40	1.70	19.00	46.00	31.80	8.50	3.75	2.00	2.00	1.40	1.40	1.25	
30	0.30	3.75	4.80	34.00	24.10	10.75	3.75	2.00	1.70	1.40		1.25	
31		4.10		23.00	19.00		3.40		1.55	1.25		1.25	
TOTAL	28.35	55.25	104.95	662.90	830.50	577.85	216.35	77.50	53.30	45.05	38.20	41.60	2731.80 CMSDAY
MEAN	0.94	1.78	3.50	21.38	26.79	19.26	6.98	2.58	1.72	1.45	1.32	1.34	7.46 CMS
MAX	4.10	4.10	19.00	173.40	99.60	65.40	22.00	5.15	2.00	1.55	1.55	1.40	173.40 CMS
MIN	0.30	0.30	1.10	1.70	6.25	8.50	3.40	2.00	1.55	1.25	1.25	1.25	0.30 CMS
RUNOFF	2.449	4.774	9.068	57.275	71.755	49.926	18.693	6.696	4.605	3.892	3.300	3.594	236.028 MCM

MOMENTARY PEAK 312.00 CMS, AT 3.10 M (A.D), AT 6.00 HOURS, ON JUL 27, 1983

RUNOFF YIELD 48.15 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 2012.90 LITERS/SECOND/SQUARE KM

WATER YEAR 1983

NAN RIVER BASIN

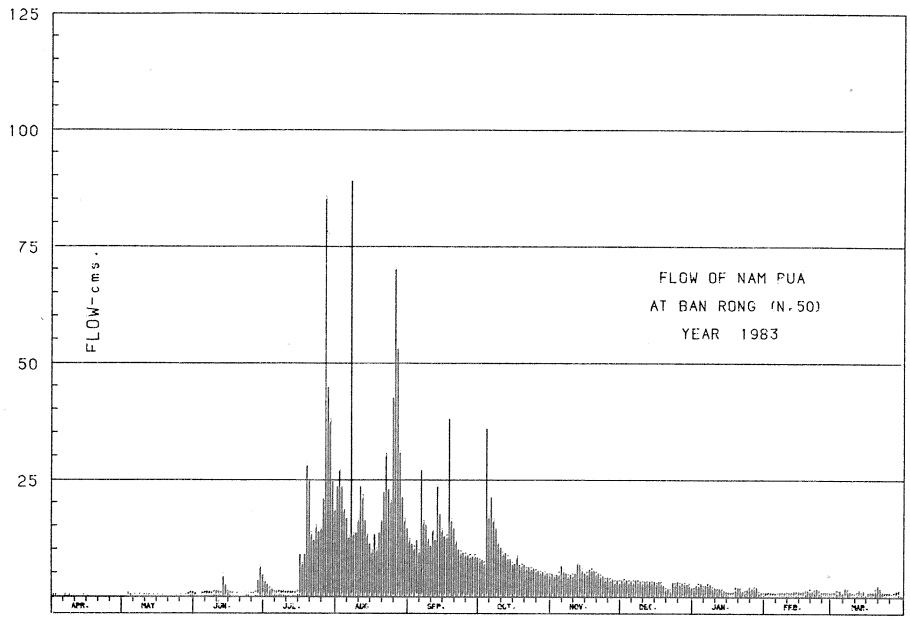
NAM PUA AT BAN RONG, NAN (N.50)

LOCATION	LAT. 19°-11'-38" N., LONG. 100°-55'-14" E., ON LEFT BANK DOWNSTREAM OF THE BRIDGE OF NAM PUA, ALONG PUA-THUNG CHANG ROAD AT BAN RONG, AMPHOE PUA, NAN.
DRAINAGE AREA	192 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM	+0.00 M. (A.D.)
BENCH MARK	B.M.-H.D.
LOCATION	ON LEFT BANK AT THE ABUTMENT OF THE BRIDGE.
ELEVATION	+4.361 M. (A.D.)
GAGE READING FREQUENCY	5-TIME DAILY READINGS AT 06.00, 09.00, 12.00, 15.00 AND 18.00 HOURS.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 5 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1979 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1979 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1979 TO DATE.
STABILITY OF CHANNEL REGIMES	RATHER UNSTABLE.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW WITH VARIABLE WATER SURFACE SLOPE AND SOME SCOURING.
GENERAL DESCRIPTION	RECORDS FAIR. STAGE-DISCHARGE RELATION DEFINED BY 26 DISCHARGE MEASUREMENTS MADE IN 1983.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.48	0.44	0.54	0.86	1.19	0.96	0.82	0.69	0.60	0.49	0.39	0.38	
2	0.51	0.43	0.53	0.79	1.26	0.93	0.81	0.68	0.62	0.53	0.38	0.40	
3	0.43	0.59	0.56	0.74	1.19	0.92	0.80	0.68	0.60	0.55	0.37	0.44	
4	0.40	0.49	0.59	0.71	1.11	0.95	1.39	0.71	0.60	0.55	0.36	0.43	
5	0.37	0.48	0.60	0.65	1.06	0.90	1.07	0.76	0.59	0.52	0.36	0.33	
6	0.54	0.52	0.61	0.65	0.98	1.25	1.15	0.73	0.60	0.53	0.36	0.48	
7	0.42	0.53	0.60	0.66	1.96	1.05	1.06	0.70	0.60	0.55	0.38	0.46	
8	0.48	0.52	0.58	0.65	0.99	1.03	1.01	0.68	0.60	0.54	0.39	0.40	
9	0.48	0.52	0.63	0.63	0.99	0.96	0.95	0.68	0.59	0.51	0.39	0.36	
10	0.45	0.50	0.65	0.62	1.06	0.92	0.91	0.69	0.59	0.49	0.40	0.35	
11	0.41	0.52	0.62	0.61	1.19	1.01	0.88	0.69	0.59	0.47	0.39	0.40	
12	0.37	0.51	0.60	0.62	1.16	0.95	0.87	0.79	0.59	0.47	0.39	0.44	
13	0.46	0.48	0.93	0.62	1.05	1.20	0.85	0.77	0.59	0.46	0.41	0.40	
14	0.43	0.51	0.78	0.61	0.99	1.08	0.82	0.74	0.59	0.43	0.41	0.42	
15	0.44	0.50	0.66	0.66	0.93	1.01	0.79	0.70	0.58	0.40	0.41	0.26	
16	0.45	0.50	0.62	1.10	0.90	0.97	0.78	0.71	0.57	0.40	0.40	0.37	
17	0.44	0.49	0.59	1.03	0.98	0.98	0.85	0.73	0.58	0.38	0.41	0.37	
18	0.43	0.48	0.54	1.10	0.91	1.42	0.77	0.74	0.58	0.40	0.43	0.40	
19	0.43	0.44	0.55	1.63	0.99	1.06	0.78	0.72	0.53	0.50	0.43	0.48	
20	0.43	0.45	0.54	1.55	1.06	1.01	0.77	0.71	0.49	0.49	0.47	0.52	
21	0.47	0.44	0.54	1.26	1.17	0.95	0.75	0.70	0.47	0.49	0.41	0.47	
22	0.50	0.45	0.53	1.20	1.31	0.90	0.75	0.68	0.47	0.41	0.45	0.39	
23	0.45	0.45	0.61	1.31	1.18	0.89	0.75	0.66	0.57	0.43	0.47	0.36	
24	0.43	0.47	0.56	1.26	1.14	0.87	0.74	0.63	0.56	0.45	0.43	0.37	
25	0.41	0.45	0.56	1.30	1.48	0.87	0.73	0.64	0.58	0.50	0.40	0.36	
26	0.43	0.53	0.57	1.46	1.79	0.85	0.72	0.63	0.57	0.47	0.39	0.34	
27	0.40	0.51	0.61	1.93	1.61	0.86	0.72	0.61	0.56	0.51	0.40	0.37	
28	0.39	0.50	0.84	1.51	1.32	0.84	0.71	0.60	0.57	0.50	0.38	0.42	
29	0.35	0.55	1.01	1.42	1.15	0.86	0.71	0.60	0.54	0.42	0.37	0.43	
30	0.38	0.60	0.91	1.21	1.06	0.83	0.70	0.60	0.55	0.39		0.27	
31		0.60		1.11	1.01		0.69		0.49	0.38		0.25	
MEAN	0.44	0.50	0.64	1.01	1.17	0.98	0.84	0.69	0.57	0.47	0.40	0.39	
MAX	0.54	0.60	1.01	1.93	1.96	1.42	1.39	0.79	0.62	0.55	0.47	0.52	1.96
MIN	0.35	0.43	0.53	0.61	0.90	0.83	0.69	0.60	0.47	0.38	0.36	0.25	0.25

ANNUAL MAX MOMENTARY GAGE HEIGHT 2.10 M (A.D), AT 18.00 HOURS, ON JUL 27, 1983
ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D), RIVER BED -1.74 M (A.D)
LEFT BANK ELEVATION 4.36 M (A.D)
RIGHT BANK ELEVATION 4.74 M (A.D), DRAINAGE AREA 192 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.46	0.38	0.70	3.72	23.45	12.40	8.00	4.85	3.50	1.90	0.95	0.90	
2	0.55	0.36	0.65	2.58	27.60	11.20	7.75	4.70	3.80	2.45	0.90	1.00	
3	0.36	0.95	0.80	1.98	23.45	10.80	7.50	4.70	3.50	2.75	0.85	1.40	
4	0.30	0.48	0.95	1.62	19.05	12.00	35.85	5.25	3.50	2.75	0.80	1.30	
5	0.24	0.46	1.00	1.25	16.70	10.00	17.15	6.50	3.35	2.30	0.80	0.65	
6	0.70	0.60	1.05	1.25	13.20	27.00	21.25	5.75	3.50	2.45	0.80	1.80	
7	0.34	0.65	1.00	1.30	88.97	16.25	16.70	5.00	3.50	2.75	0.90	1.60	
8	0.46	0.60	0.90	1.25	13.60	15.35	14.45	4.70	3.50	2.60	0.95	1.00	
9	0.46	0.60	1.15	1.15	13.60	12.40	12.00	4.70	3.35	2.15	0.95	0.80	
10	0.40	0.50	1.25	1.10	16.70	10.80	10.40	4.85	3.35	1.90	1.00	0.75	
11	0.32	0.60	1.10	1.05	23.45	14.45	9.50	4.85	3.35	1.70	0.95	1.00	
12	0.24	0.55	1.00	1.10	21.80	12.00	9.25	7.25	3.35	1.70	0.95	1.40	
13	0.42	0.46	5.03	1.10	16.25	24.00	8.75	6.75	3.35	1.60	1.10	1.00	
14	0.36	0.55	2.46	1.05	13.60	17.60	8.00	6.00	3.35	1.30	1.10	1.20	
15	0.38	0.50	1.30	1.30	11.20	14.45	7.25	5.00	3.20	1.00	1.10	0.30	
16	0.40	0.50	1.10	9.00	10.00	12.80	7.00	5.25	3.05	1.00	1.00	0.85	
17	0.38	0.48	0.95	7.25	13.20	13.20	8.75	5.75	3.20	0.90	1.10	0.85	
18	0.36	0.46	0.70	9.00	10.40	38.00	6.75	6.00	3.20	1.00	1.30	1.00	
19	0.36	0.38	0.75	28.50	13.60	16.70	7.00	5.50	2.45	2.00	1.30	1.80	
20	0.36	0.40	0.70	24.75	16.70	14.45	6.75	5.25	1.90	1.90	1.70	2.30	
21	0.44	0.38	0.70	13.80	22.35	12.00	6.25	5.00	1.70	1.90	1.10	1.70	
22	0.50	0.40	0.65	12.00	30.65	10.00	6.25	4.70	1.70	1.10	1.50	0.95	
23	0.40	0.40	1.05	15.35	22.90	9.75	6.25	4.40	3.05	1.30	1.70	0.80	
24	0.36	0.44	0.80	13.80	20.70	9.25	6.00	3.95	2.90	1.50	1.30	0.85	
25	0.32	0.40	0.80	15.00	42.50	9.25	5.75	4.10	3.20	2.00	1.00	0.80	
26	0.36	0.65	0.85	20.90	70.50	8.75	5.50	3.95	3.05	1.70	0.95	0.70	
27	0.30	0.55	1.05	85.69	52.95	9.00	5.50	3.65	2.90	2.15	1.00	0.85	
28	0.28	0.50	3.38	44.80	31.30	8.50	5.25	3.50	3.05	2.00	0.90	1.20	
29	0.20	0.75	6.75	38.00	21.25	9.00	5.25	3.50	2.60	1.20	0.85	1.30	
30	0.26	1.00	4.61	24.60	16.70	8.25	5.00	3.50	2.75	0.95		0.35	
31		1.00		19.05	14.45		4.85		1.90	0.90		0.25	
TOTAL	11.27	16.93	45.18	404.29	752.77	409.60	291.90	148.85	94.05	54.80	30.80	32.65	2293.09 CMSDAY
MEAN	0.38	0.55	1.51	13.04	24.28	13.65	9.42	4.96	3.03	1.77	1.06	1.05	6.27 CMS
MAX	0.70	1.00	6.75	85.69	88.97	38.00	35.85	7.25	3.80	2.75	1.70	2.30	88.97 CMS
MIN	0.20	0.36	0.65	1.05	10.00	8.25	4.85	3.50	1.70	0.90	0.80	0.25	0.20 CMS
RUNOFF	0.974	1.463	3.904	34.931	65.039	35.389	25.220	12.861	8.126	4.735	2.661	2.821	198.123 MCM

MOMENTARY PEAK 104.25 CMS, AT 2.10 M (A.D), AT 18.00 HOURS, ON JUL 27, 1983
RUNOFF YIELD 32.63 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 542.97 LITERS/SECOND/SQUARE KM

WATER YEAR 1983

NAN RIVER BASIN

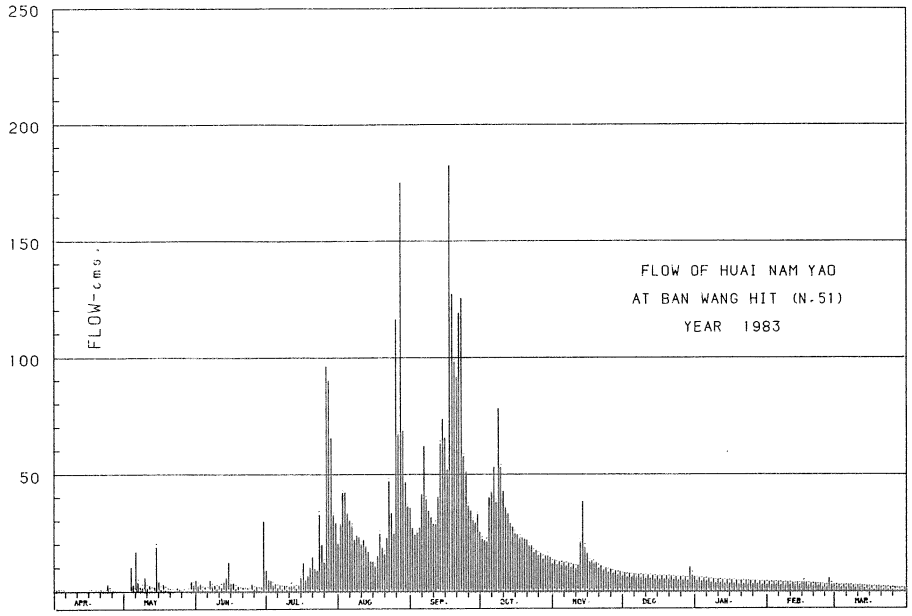
HUAI NAM YAO AT BAN WANG HIT, NAN (N.51)

LOCATION	LAT. 19°-09'-31" N., LONG. 100°-46'-56" E., ON RIGHT BANK BEHIND THE PHA TO TOBACCO HOUSE AT BAN WANG HIT, AMPHOE THA WANG PHA, NAN.
DRAINAGE AREA	774 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM	+230.10 M. (M.S.L.)
BENCH MARK	B.M.-H.D.
LOCATION	ON LEFT BANK ABOUT 2 METERS UPSTREAM FROM MEASURING LINE.
ELEVATION	+237.344 M. (M.S.L.)
GAGE READING FREQUENCY	5-TIME DAILY READINGS AT 06.00, 09.00, 12.00, 15.00 AND 18.00 HOURS.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 5 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1979 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1979 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1979 TO DATE.
STABILITY OF CHANNEL REGIMES	STABLE.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS GOOD. STAGE-DISCHARGE RELATION DEFINED BY 23 DISCHARGE MEASUREMENTS MADE IN 1983.

GAGE HEIGHT IN METER (MSL), WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	230.75	230.70	230.91	231.03	231.78	231.76	231.62	231.29	231.11	231.02	230.92	230.86	
2	230.75	230.71	230.87	230.95	232.14	231.65	231.57	231.28	231.10	231.01	230.92	230.85	
3	230.75	231.19	230.82	230.92	232.12	231.71	231.60	231.27	231.10	231.01	230.92	230.85	
4	230.74	230.91	230.81	230.88	231.92	231.74	232.06	231.27	231.09	231.00	230.92	230.85	
5	230.74	231.41	230.81	230.86	231.82	232.12	232.14	231.26	231.09	231.00	230.92	230.85	
6	230.74	230.97	230.95	230.85	231.78	232.53	232.35	231.26	231.08	230.99	230.92	230.85	
7	230.73	230.81	230.88	230.84	231.58	232.07	232.04	231.25	231.08	230.98	230.91	230.85	
8	230.73	230.87	230.84	230.84	231.67	231.92	232.82	231.24	231.08	230.98	230.91	230.84	
9	230.73	231.01	230.85	230.83	231.62	231.88	232.37	231.23	231.08	230.97	230.91	230.84	
10	230.73	230.86	230.84	230.82	231.55	231.78	232.13	231.22	231.07	230.97	230.91	230.84	
11	230.73	230.84	230.88	230.90	231.58	231.81	231.98	231.22	231.07	230.97	230.90	230.84	
12	230.73	230.81	230.91	230.84	231.52	232.07	231.89	231.58	231.07	230.96	230.89	230.84	
13	230.73	230.81	231.07	230.85	231.41	232.57	231.82	232.02	231.06	230.96	230.91	230.83	
14	230.74	231.52	231.26	230.84	231.31	232.75	231.75	231.52	231.06	230.96	230.90	230.83	
15	230.74	230.92	230.96	231.07	231.27	232.62	231.71	231.39	231.05	230.96	230.90	230.82	
16	230.74	230.83	230.89	231.25	231.25	232.33	231.66	231.31	231.05	230.96	230.96	230.82	
17	230.74	230.86	230.85	231.02	231.35	233.98	231.65	231.28	231.05	230.96	230.90	230.82	
18	230.73	230.82	230.82	231.04	231.70	233.46	231.61	231.29	231.05	230.95	230.90	230.82	
19	230.73	230.79	230.80	231.23	231.47	233.12	231.64	231.26	231.05	230.94	230.89	230.82	
20	230.74	230.77	230.80	231.33	231.42	233.01	231.58	231.23	231.05	230.95	230.89	230.81	
21	230.73	230.77	230.79	231.21	231.61	233.38	231.53	231.21	231.04	230.95	230.89	230.81	
22	230.75	230.75	230.79	231.14	232.25	233.44	231.50	231.19	231.04	230.95	230.88	230.81	
23	230.86	230.79	230.79	231.91	231.90	232.46	231.45	231.18	231.03	230.94	230.88	230.81	
24	230.79	230.75	230.87	231.51	231.70	232.31	231.43	231.17	231.03	230.94	230.87	230.80	
25	230.76	230.75	230.83	231.30	233.34	232.00	231.41	231.16	231.03	230.94	230.86	230.80	
26	230.74	230.76	230.82	233.08	232.65	231.92	231.39	231.15	231.03	230.94	230.86	230.80	
27	230.73	230.75	230.81	233.01	233.91	231.84	231.36	231.14	231.02	230.94	230.99	230.79	
28	230.73	230.78	230.81	232.60	232.68	231.79	231.35	231.13	231.02	230.93	230.90	230.79	
29	230.72	230.92	231.84	231.90	232.22	231.90	231.40	231.13	231.19	230.93	230.86	230.79	
30	230.72	230.92	231.14	231.79	231.99	231.69	231.33	231.11	231.12	230.93		230.79	
31		230.95		231.56	231.95		231.29		231.03	230.93		230.79	
MEAN	230.74	230.88	230.91	231.30	231.89	232.32	231.72	231.27	231.07	230.96	230.90	230.82	
MAX	230.86	231.52	231.84	233.08	233.91	233.98	232.82	232.02	231.19	231.02	230.99	230.86	233.98
MIN	230.72	230.70	230.79	230.82	231.25	231.65	231.29	231.11	231.02	230.93	230.86	230.79	230.70

ANNUAL MAX MOMENTARY GAGE HEIGHT 234.98 M (MSL), AT 18.00 HOURS, ON SEP 17, 1983
ZERO GAGE AT BOTTOM ELEVATION 230.10 M (MSL), RIVER BED 230.05 M (MSL)
LEFT BANK ELEVATION 239.26 M (MSL)
RIGHT BANK ELEVATION 236.74 M (MSL), DRAINAGE AREA 774 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	1.00	0.00	4.20	6.60	29.20	28.40	23.60	13.70	8.30	6.40	4.40	3.20	
2	1.00	0.20	3.40	5.00	43.60	24.50	22.10	13.40	8.00	6.20	4.40	3.00	
3	1.00	10.70	2.40	4.40	42.80	26.40	23.00	13.10	8.00	6.20	4.40	3.00	
4	0.80	4.20	2.20	3.60	34.80	27.60	40.40	13.10	7.80	6.00	4.40	3.00	
5	0.80	17.30	2.20	3.20	30.80	42.80	43.60	12.80	7.80	6.00	4.40	3.00	
6	0.80	5.40	5.00	3.00	29.20	62.50	53.50	12.80	7.60	5.80	4.40	3.00	
7	0.60	2.20	3.60	2.80	22.40	40.80	39.60	12.50	7.60	5.60	4.20	3.00	
8	0.60	3.40	2.80	2.80	25.10	34.80	78.40	12.20	7.60	5.60	4.20	2.80	
9	0.60	6.20	3.00	2.60	23.60	33.20	54.50	11.90	7.60	5.40	4.20	2.80	
10	0.60	3.20	2.80	2.40	21.50	29.20	43.20	11.60	7.40	5.40	4.20	2.80	
11	0.60	2.80	3.60	4.00	22.40	30.40	37.20	11.60	7.40	5.40	4.00	2.80	
12	0.60	2.20	4.20	2.80	20.60	40.80	33.60	22.40	7.40	5.20	3.80	2.80	
13	0.60	2.20	7.40	3.00	17.30	64.50	30.80	38.80	7.20	5.20	4.20	2.60	
14	0.80	20.60	12.80	2.80	14.30	74.00	28.00	20.60	7.20	5.20	4.00	2.60	
15	0.80	4.40	5.20	7.40	13.10	67.00	26.40	16.70	7.00	5.20	4.00	2.40	
16	0.80	2.60	3.80	12.50	12.50	52.50	24.80	14.30	7.00	5.20	5.20	2.40	
17	0.80	3.20	3.00	6.40	15.50	183.60	24.50	13.40	7.00	5.20	4.00	2.40	
18	0.60	2.40	2.40	6.80	26.00	127.40	23.30	13.70	7.00	5.00	4.00	2.40	
19	0.60	1.80	2.00	11.90	19.10	99.40	24.20	12.80	7.00	4.80	3.80	2.40	
20	0.80	1.40	2.00	14.90	17.60	91.70	22.40	11.90	7.00	5.00	3.80	2.20	
21	0.60	1.40	1.80	11.30	23.30	120.20	20.90	11.30	6.80	5.00	3.80	2.20	
22	1.00	1.00	1.80	9.20	48.50	125.60	20.00	10.70	6.80	5.00	3.60	2.20	
23	3.20	1.80	1.80	34.40	34.00	59.00	18.50	10.40	6.60	4.80	3.60	2.20	
24	1.80	1.00	3.40	20.30	26.00	51.50	17.90	10.10	6.60	4.80	3.40	2.00	
25	1.20	1.00	2.60	14.00	116.60	38.00	17.30	9.80	6.60	4.80	3.20	2.00	
26	0.80	1.20	2.40	96.60	68.50	34.80	16.70	9.50	6.60	4.80	3.20	2.00	
27	0.60	1.00	2.20	91.70	175.20	31.60	15.80	9.20	6.40	4.80	5.80	1.80	
28	0.60	1.60	2.20	66.00	70.00	29.60	15.50	8.90	6.40	4.60	4.00	1.80	
29	0.40	4.40	31.60	34.00	47.00	34.00	17.00	8.90	10.70	4.60	3.20	1.80	
30	0.40	4.40	9.20	29.60	37.60	25.70	14.90	8.30	8.60	4.60		1.80	
31		5.00		21.80	36.00		13.70		6.60	4.60		1.80	
TOTAL	25.40	120.20	137.00	537.80	1164.10	1731.50	885.30	400.40	227.60	162.40	117.80	76.20	5585.70 CMSDAY
MEAN	0.85	3.88	4.57	17.35	37.55	57.72	28.56	13.35	7.34	5.24	4.06	2.46	15.26 CMS
MAX	3.20	20.60	31.60	96.60	175.20	183.60	78.40	38.80	10.70	6.40	5.80	3.20	183.60 CMS
MIN	0.40	0.00	1.80	2.40	12.50	24.50	13.70	8.30	6.40	4.60	3.20	1.80	0.00 CMS
RUNOFF	2.195	10.385	11.837	46.466	100.578	149.602	76.490	34.595	19.665	14.031	10.178	6.584	482.605 MCM

MOMENTARY PEAK 324.80 CMS, AT 234.98 M (MSL), AT 18.00 HOURS, ON SEP 17, 1983

RUNOFF YIELD 19.72 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 419.64 LITERS/SECOND/SQUARE KM

WATER YEAR 1983

NAN RIVER BASIN

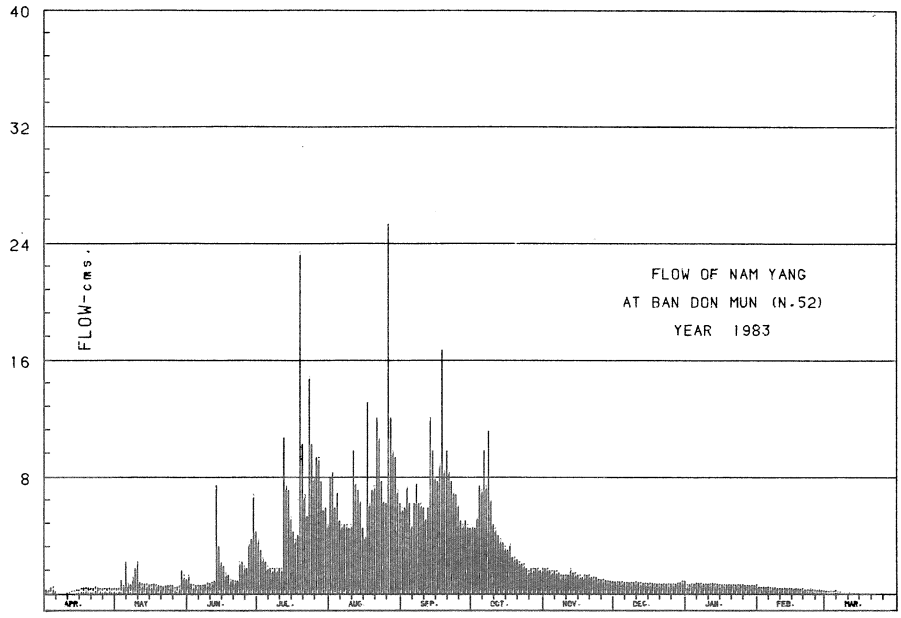
NAM YANG AT BAN DON MUN, NAN (N.52)

LOCATION	LAT. 19°-05'-08" N., LONG. 100°-55'-51" E., ON LEFT BANK AT THE BRIDGE OF PUA-BAN DU PHONG HIGHWAY, BAN DON MUN, TAMBON SILA PHET, AMPHOE PUA, NAN.
DRAINAGE AREA	49 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM	+0.00 M. (A.D.)
BENCH MARK	B.M.-H.D.
LOCATION	ON LEFT BANK ABOUT 15 METERS FROM THE ABUTMENT OF THE BRIDGE.
ELEVATION	+3.063 M.(A.D.)
GAGE READING FREQUENCY	5-TIME DAILY READINGS AT 06.00, 09.00, 12.00, 15.00 AND 18.00 HOURS.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 5 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1980 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1980 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1980 TO DATE.
STABILITY OF CHANNEL REGIMES	STABLE.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS FAIR. STAGE-DISCHARGE RELATION DEFINED BY 27 DISCHARGE MEASUREMENTS MADE IN 1983.

GAGE HEIGHT IN METER (A.D). WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.46	0.48	0.62	0.75	0.90	0.83	0.79	0.65	0.57	0.53	0.50	0.44	
2	0.45	0.48	0.54	0.72	0.91	0.83	0.78	0.65	0.57	0.53	0.49	0.44	
3	0.49	0.59	0.53	0.70	0.83	0.88	0.81	0.64	0.57	0.54	0.50	0.44	
4	0.50	0.52	0.52	0.68	0.87	0.84	0.88	0.64	0.57	0.54	0.49	0.44	
5	0.44	0.68	0.52	0.66	0.80	0.79	0.87	0.64	0.56	0.55	0.50	0.45	
6	0.19	0.55	0.52	0.65	0.79	0.84	0.94	0.64	0.56	0.55	0.49	0.44	
7	0.28	0.53	0.52	0.65	0.79	0.89	0.88	0.63	0.56	0.55	0.49	0.43	
8	0.36	0.61	0.53	0.65	0.79	0.84	0.97	0.62	0.56	0.54	0.49	0.43	
9	0.20	0.65	0.55	0.65	0.78	0.84	0.85	0.62	0.56	0.54	0.48	0.42	
10	0.42	0.68	0.55	0.65	0.79	0.83	0.79	0.62	0.57	0.54	0.48	0.42	
11	0.43	0.56	0.56	0.65	0.94	0.81	0.78	0.62	0.56	0.54	0.48	0.42	
12	0.44	0.54	0.58	0.96	0.89	0.83	0.76	0.65	0.56	0.55	0.48	0.42	
13	0.45	0.54	0.88	0.88	0.87	0.99	0.75	0.63	0.55	0.54	0.48	0.41	
14	0.46	0.54	0.73	0.87	0.85	0.94	0.74	0.63	0.55	0.54	0.48	0.41	
15	0.46	0.53	0.69	0.81	0.78	0.90	0.73	0.62	0.55	0.53	0.48	0.41	
16	0.48	0.53	0.66	0.77	0.76	0.89	0.72	0.62	0.55	0.53	0.47	0.41	
17	0.49	0.54	0.63	0.75	1.01	0.92	0.74	0.61	0.55	0.53	0.48	0.40	
18	0.49	0.53	0.62	0.76	0.84	1.07	0.70	0.62	0.54	0.53	0.47	0.40	
19	0.49	0.52	0.60	1.17	0.87	0.91	0.70	0.62	0.54	0.53	0.47	0.40	
20	0.48	0.51	0.59	0.95	0.88	0.94	0.69	0.62	0.54	0.53	0.48	0.40	
21	0.48	0.50	0.58	0.86	0.99	0.91	0.68	0.61	0.54	0.53	0.46	0.40	
22	0.50	0.51	0.58	0.81	0.96	0.89	0.67	0.61	0.54	0.53	0.46	0.40	
23	0.49	0.52	0.68	1.04	0.89	0.87	0.67	0.61	0.54	0.53	0.46	0.39	
24	0.48	0.52	0.68	0.95	0.85	0.86	0.65	0.60	0.54	0.53	0.46	0.39	
25	0.48	0.52	0.66	0.90	0.84	0.84	0.64	0.60	0.54	0.53	0.46	0.39	
26	0.48	0.49	0.65	0.93	1.20	0.80	0.65	0.60	0.54	0.52	0.45	0.40	
27	0.48	0.50	0.74	0.93	0.99	0.79	0.65	0.59	0.54	0.52	0.46	0.40	
28	0.48	0.51	0.75	0.89	0.94	0.80	0.65	0.58	0.55	0.52	0.45	0.40	
29	0.48	0.64	0.86	0.83	0.93	0.79	0.65	0.58	0.56	0.52	0.45	0.40	
30	0.48	0.62	0.77	0.83	0.87	0.78	0.64	0.57	0.58	0.52		0.39	
31		0.60		0.79	0.84		0.65		0.58	0.53		0.39	
MEAN	0.44	0.55	0.63	0.81	0.88	0.86	0.74	0.62	0.55	0.53	0.48	0.41	
MAX	0.50	0.68	0.88	1.17	1.20	1.07	0.97	0.65	0.58	0.55	0.50	0.45	1.20
MIN	0.19	0.48	0.52	0.65	0.76	0.78	0.64	0.57	0.54	0.52	0.45	0.39	0.19

ANNUAL MAX MOMENTARY GAGE HEIGHT 1.50 M (A.D), AT 10.00 HOURS, ON AUG 26, 1983
ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D), RIVER BED 0.24 M (A.D)
LEFT BANK ELEVATION 4.19 M (A.D)
RIGHT BANK ELEVATION 4.18 M (A.D), DRAINAGE AREA 49 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.30	0.40	1.30	3.75	8.00	5.90	4.75	1.75	0.85	0.65	0.50	0.20	
2	0.25	0.40	0.70	3.00	8.45	5.90	4.50	1.75	0.85	0.65	0.45	0.20	
3	0.45	0.95	0.65	2.50	5.90	7.40	5.30	1.60	0.85	0.70	0.50	0.20	
4	0.50	0.60	0.60	2.20	7.10	6.20	7.40	1.60	0.85	0.70	0.45	0.20	
5	0.20	2.20	0.60	1.90	5.00	4.75	7.10	1.60	0.80	0.75	0.50	0.25	
6	0.00	0.75	0.60	1.75	4.75	6.20	9.80	1.60	0.80	0.75	0.45	0.20	
7	0.00	0.65	0.60	1.75	4.75	7.70	7.40	1.45	0.80	0.75	0.45	0.15	
8	0.00	1.15	0.65	1.75	4.75	6.20	11.15	1.30	0.80	0.70	0.45	0.15	
9	0.00	1.75	0.75	1.75	4.50	6.20	6.50	1.30	0.80	0.70	0.40	0.10	
10	0.10	2.20	0.75	1.75	4.75	5.90	4.75	1.30	0.85	0.70	0.40	0.10	
11	0.15	0.80	0.80	1.75	9.80	5.30	4.50	1.30	0.80	0.70	0.40	0.10	
12	0.20	0.70	0.90	10.70	7.70	5.90	4.00	1.75	0.80	0.75	0.40	0.10	
13	0.25	0.70	7.40	7.40	7.10	12.05	3.75	1.45	0.75	0.70	0.40	0.05	
14	0.30	0.70	3.25	7.10	6.50	9.80	3.50	1.45	0.75	0.70	0.40	0.05	
15	0.30	0.65	2.35	5.30	4.50	8.00	3.25	1.30	0.75	0.65	0.40	0.05	
16	0.40	0.65	1.90	4.25	4.00	7.70	3.00	1.30	0.75	0.65	0.35	0.05	
17	0.45	0.70	1.45	3.75	13.10	8.90	3.50	1.15	0.75	0.65	0.40	0.00	
18	0.45	0.65	1.30	4.00	6.20	16.70	2.50	1.30	0.70	0.65	0.35	0.00	
19	0.45	0.60	1.00	23.40	7.10	8.45	2.50	1.30	0.70	0.65	0.35	0.00	
20	0.40	0.55	0.95	10.25	7.40	9.80	2.35	1.30	0.70	0.65	0.40	0.00	
21	0.40	0.50	0.90	6.80	12.05	8.45	2.20	1.15	0.70	0.65	0.30	0.00	
22	0.50	0.55	0.90	5.30	10.70	7.70	2.05	1.15	0.70	0.65	0.30	0.00	
23	0.45	0.60	2.20	14.90	7.70	7.10	2.05	1.15	0.70	0.65	0.30	0.00	
24	0.40	0.60	2.20	10.25	6.50	6.80	1.75	1.00	0.70	0.65	0.30	0.00	
25	0.40	0.60	1.90	8.00	6.20	6.20	1.60	1.00	0.70	0.65	0.30	0.00	
26	0.40	0.45	1.75	9.35	25.50	5.00	1.75	1.00	0.70	0.60	0.25	0.00	
27	0.40	0.50	3.50	9.35	12.05	4.75	1.75	0.95	0.70	0.60	0.30	0.00	
28	0.40	0.55	3.75	7.70	9.80	5.00	1.75	0.90	0.75	0.60	0.25	0.00	
29	0.40	1.60	6.80	5.90	9.35	4.75	1.75	0.90	0.80	0.60	0.25	0.00	
30	0.40	1.30	4.25	5.90	7.10	4.50	1.60	0.85	0.90	0.60		0.00	
31		1.00		4.75	6.20		1.75		0.90	0.65		0.00	
TOTAL	9.30	26.00	56.65	188.20	244.50	215.20	121.50	38.90	23.95	20.70	10.95	2.15	958.00 CMSDAY
MEAN	0.31	0.84	1.89	6.07	7.89	7.17	3.92	1.30	0.77	0.67	0.38	0.07	2.62 CMS
MAX	0.50	2.20	7.40	23.40	25.50	16.70	11.15	1.75	0.90	0.75	0.50	0.25	25.50 CMS
MIN	0.00	0.40	0.60	1.75	4.00	4.50	1.60	0.85	0.70	0.60	0.25	0.00	0.00 CMS
RUNOFF	0.804	2.246	4.895	16.260	21.125	18.593	10.498	3.361	2.069	1.788	0.946	0.186	82.771 MCM

MOMENTARY PEAK 54.50 CMS, AT 1.50 M (A.D), AT 10.00 HOURS, ON AUG 26, 1983

RUNOFF YIELD 53.42 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 1112.24 LITERS/SECOND/SQUARE KM

WATER YEAR 1983

NAN RIVER BASIN

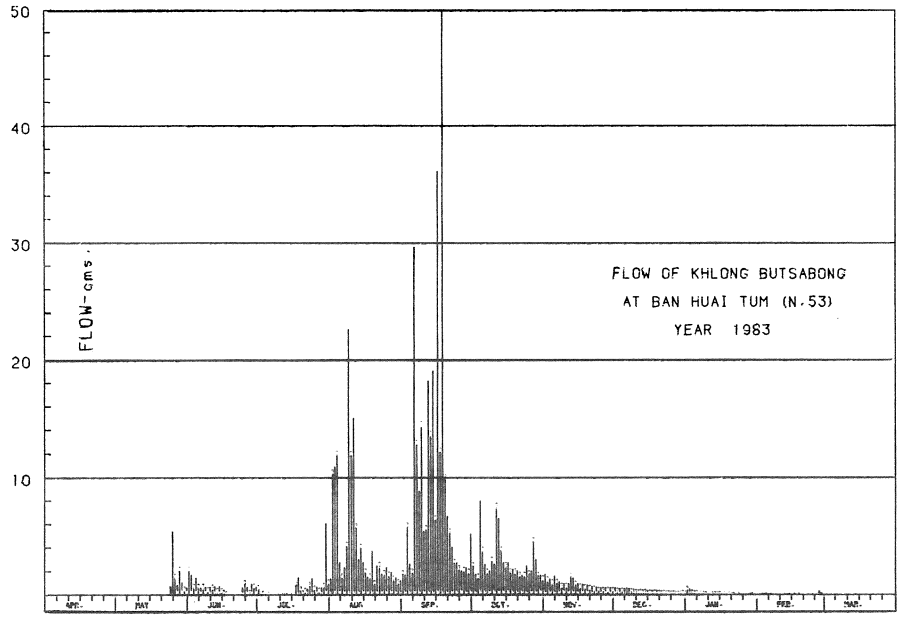
KHLONG BUTSABONG AT BAN HUAI TUM, PHETCHABUN (N.53)

LOCATION	LAT. 16°-11'-26" N., LONG. 100°-55'-40" E., ON RIGHT BANK AT THE BRIDGE ON HIGHWAY AT BAN HUAI TUM, AMPHOE CHON DAN, PHETCHABUN.
DRAINAGE AREA	111 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM	+0.00 M. (A.D.)
BENCH MARK	B.M.-H.D.
LOCATION	ON RIGHT BANK AT THE ABUTMENT OF THE BRIDGE.
ELEVATION	+8.713 M. (A.D.)
GAGE READING FREQUENCY	5-TIME DAILY READINGS AT 06.00, 09.00, 12.00, 15.00 AND 18.00 HOURS.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 5 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1979 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1979 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1979 TO DATE.
STABILITY OF CHANNEL REGIMES	STABLE.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS FAIR. STAGE-DISCHARGE RELATION DEFINED BY 28 DISCHARGE MEASUREMENTS MADE IN 1983.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.32	0.22	0.84	0.67	0.75	0.82	0.87	0.80	0.64	0.65	0.49	0.45	
2	0.30	0.22	0.79	0.59	1.22	0.79	0.80	0.77	0.63	0.62	0.48	0.45	
3	0.30	0.22	0.69	0.57	1.23	1.05	0.80	0.75	0.63	0.60	0.48	0.45	
4	0.30	0.22	0.76	0.55	1.27	0.86	1.13	0.74	0.63	0.59	0.47	0.45	
5	0.30	0.22	0.69	0.54	0.87	0.83	0.95	0.78	0.63	0.58	0.47	0.45	
6	0.29	0.22	0.64	0.53	0.80	1.67	0.86	0.74	0.63	0.57	0.46	0.45	
7	0.27	0.22	0.69	0.51	0.84	1.30	0.83	0.72	0.63	0.56	0.46	0.43	
8	0.25	0.22	0.65	0.50	0.97	1.16	0.82	0.70	0.62	0.55	0.45	0.42	
9	0.23	0.22	0.64	0.49	1.53	1.34	0.90	0.70	0.62	0.54	0.45	0.42	
10	0.22	0.22	0.65	0.49	1.27	1.02	0.86	0.70	0.61	0.53	0.45	0.41	
11	0.22	0.22	0.68	0.48	1.35	1.04	1.12	0.70	0.61	0.53	0.44	0.41	
12	0.22	0.22	0.66	0.49	1.05	1.43	1.07	0.80	0.61	0.54	0.44	0.41	
13	0.22	0.22	0.63	0.47	0.89	1.32	0.95	0.76	0.61	0.54	0.44	0.40	
14	0.22	0.22	0.66	0.47	0.96	1.45	0.87	0.72	0.61	0.54	0.44	0.40	
15	0.22	0.22	0.63	0.46	0.87	1.08	0.87	0.70	0.60	0.54	0.44	0.40	
16	0.22	0.22	0.61	0.46	0.83	1.78	0.87	0.69	0.60	0.53	0.46	0.40	
17	0.22	0.22	0.57	0.71	0.77	1.28	0.83	0.69	0.60	0.53	0.45	0.39	
18	0.22	0.22	0.56	0.76	0.80	2.13	0.83	0.68	0.60	0.52	0.45	0.39	
19	0.22	0.22	0.55	0.65	0.93	1.21	0.83	0.68	0.60	0.52	0.44	0.39	
20	0.22	0.22	0.54	0.60	0.73	1.08	0.82	0.67	0.59	0.51	0.44	0.39	
21	0.22	0.22	0.53	0.63	0.85	1.03	0.81	0.66	0.59	0.51	0.44	0.39	
22	0.22	0.22	0.51	0.62	0.87	0.95	0.79	0.66	0.59	0.51	0.44	0.38	
23	0.22	0.22	0.51	0.71	0.80	0.89	0.81	0.65	0.58	0.51	0.44	0.38	
24	0.22	0.68	0.64	0.75	0.82	0.87	0.85	0.64	0.57	0.51	0.44	0.38	
25	0.22	1.02	0.73	0.66	0.84	0.85	0.82	0.64	0.57	0.51	0.44	0.38	
26	0.22	0.80	0.65	0.65	0.81	0.82	0.82	0.64	0.57	0.51	0.48	0.38	
27	0.22	0.68	0.60	0.63	0.81	0.84	0.99	0.64	0.56	0.50	0.57	0.39	
28	0.22	0.84	0.69	0.64	0.78	0.84	0.89	0.64	0.56	0.50	0.50	0.40	
29	0.22	0.71	0.69	0.70	0.76	0.83	0.81	0.64	0.57	0.50	0.50	0.52	
30	0.22	0.65	0.65	1.05	0.74	1.01	0.79	0.64	0.58	0.49		0.52	
31		0.64		0.74	0.73		0.78		0.58	0.49		0.50	
MEAN	0.24	0.36	0.64	0.61	0.93	1.12	0.87	0.70	0.60	0.54	0.46	0.42	
MAX	0.32	1.02	0.84	1.05	1.53	2.13	1.13	0.80	0.64	0.65	0.57	0.52	2.13
MIN	0.22	0.22	0.51	0.46	0.73	0.79	0.78	0.64	0.56	0.49	0.44	0.38	0.22

ANNUAL MAX MOMENTARY GAGE HEIGHT 3.90 M (A.D), AT 11.00 HOURS, ON SEP 18, 1983
ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D), RIVER BED 0.81 M (A.D)
LEFT BANK ELEVATION 5.15 M (A.D)
RIGHT BANK ELEVATION 8.17 M (A.D), DRAINAGE AREA 111 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.01	0.00	2.36	0.82	1.40	2.08	2.78	1.80	0.64	0.70	0.14	0.10	
2	0.00	0.00	1.72	0.37	10.64	1.72	1.80	1.56	0.58	0.52	0.13	0.10	
3	0.00	0.00	0.94	0.32	10.96	6.10	1.80	1.40	0.58	0.40	0.13	0.10	
4	0.00	0.00	1.48	0.28	12.24	2.64	8.04	1.32	0.58	0.37	0.12	0.10	
5	0.00	0.00	0.94	0.25	2.78	2.22	4.10	1.64	0.58	0.35	0.12	0.10	
6	0.00	0.00	0.64	0.22	1.80	29.64	2.64	1.32	0.58	0.32	0.11	0.10	
7	0.00	0.00	0.94	0.17	2.36	13.20	2.22	1.16	0.58	0.30	0.11	0.08	
8	0.00	0.00	0.70	0.15	4.46	8.88	2.08	1.00	0.52	0.28	0.10	0.07	
9	0.00	0.00	0.64	0.14	22.64	14.72	3.20	1.00	0.52	0.25	0.10	0.07	
10	0.00	0.00	0.70	0.14	12.24	5.44	2.64	1.00	0.46	0.22	0.10	0.06	
11	0.00	0.00	0.88	0.13	15.10	5.88	7.76	1.00	0.46	0.22	0.09	0.06	
12	0.00	0.00	0.76	0.14	6.10	18.26	6.54	1.80	0.46	0.25	0.09	0.06	
13	0.00	0.00	0.58	0.12	3.06	13.96	4.10	1.48	0.46	0.25	0.09	0.05	
14	0.00	0.00	0.76	0.12	4.28	19.10	2.78	1.16	0.46	0.25	0.09	0.05	
15	0.00	0.00	0.58	0.11	2.78	6.76	2.78	1.00	0.40	0.25	0.09	0.05	
16	0.00	0.00	0.46	0.11	2.22	36.16	2.78	0.94	0.40	0.22	0.11	0.05	
17	0.00	0.00	0.32	1.08	1.56	12.56	2.22	0.94	0.40	0.22	0.10	0.04	
18	0.00	0.00	0.30	1.48	1.80	62.70	2.22	0.88	0.40	0.20	0.10	0.04	
19	0.00	0.00	0.28	0.70	3.74	10.32	2.22	0.88	0.40	0.20	0.09	0.04	
20	0.00	0.00	0.25	0.40	1.24	6.76	2.08	0.82	0.37	0.17	0.09	0.04	
21	0.00	0.00	0.22	0.58	2.50	5.66	1.94	0.76	0.37	0.17	0.09	0.04	
22	0.00	0.00	0.17	0.52	2.78	4.10	1.72	0.76	0.37	0.17	0.09	0.04	
23	0.00	0.00	0.17	1.08	1.80	3.06	1.94	0.70	0.35	0.17	0.09	0.04	
24	0.00	0.88	0.64	1.40	2.08	2.78	2.50	0.64	0.32	0.17	0.09	0.04	
25	0.00	5.44	1.24	0.76	2.36	2.50	2.08	0.64	0.32	0.17	0.09	0.04	
26	0.00	1.80	0.70	0.70	1.94	2.08	2.08	0.64	0.32	0.17	0.13	0.04	
27	0.00	0.88	0.40	0.58	1.94	2.36	4.82	0.64	0.30	0.15	0.32	0.04	
28	0.00	2.36	0.94	0.64	1.64	2.36	3.06	0.64	0.30	0.15	0.15	0.05	
29	0.00	1.08	0.94	1.00	1.48	2.22	1.94	0.64	0.32	0.15	0.15	0.20	
30	0.00	0.70	0.70	6.10	1.32	5.22	1.72	0.64	0.35	0.14		0.20	
31		0.64		1.32	1.24		1.64		0.35	0.14		0.15	
TOTAL	0.01	13.78	22.35	21.93	144.48	311.44	92.22	30.80	13.50	7.69	3.30	2.24	663.74 CMSDAY
MEAN	0.00	0.44	0.75	0.71	4.66	10.38	2.97	1.03	0.44	0.25	0.11	0.07	1.81 CMS
MAX	0.01	5.44	2.36	6.10	22.64	62.70	8.04	1.80	0.64	0.70	0.32	0.20	62.70 CMS
MIN	0.00	0.00	0.17	0.11	1.24	1.72	1.64	0.64	0.30	0.14	0.09	0.04	0.00 CMS
RUNOFF	0.001	1.191	1.931	1.895	12.483	26.908	7.968	2.661	1.166	0.664	0.285	0.194	57.347 MCM

MOMENTARY PEAK 350.00 CMS, AT 3.90 M (A.D), AT 11.00 HOURS, ON SEP 18, 1983

RUNOFF YIELD 16.34 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 3153.15 LITERS/SECOND/SQUARE KM

WATER YEAR 1983

CHAO PHRAYA RIVER BASIN

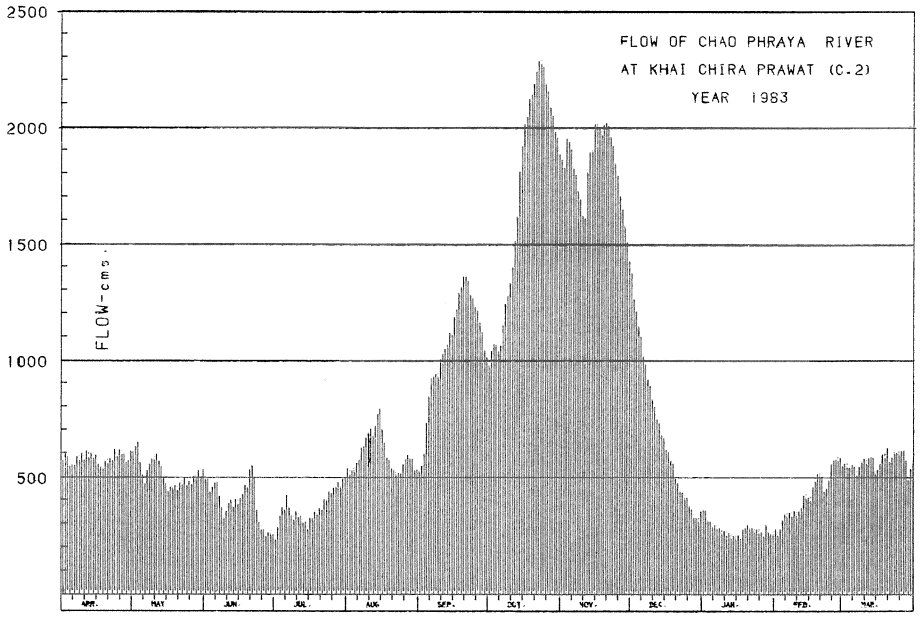
CHAO PHRAYA RIVER AT NAKHON SAWAN, NAKHON SAWAN (C.2)

LOCATION	LAT. 15°-40'-15" N., LONG. 100°-06'-45" E., ON LEFT BANK AT KHAI CHIRA PRAWAT ABOUT 3 KILOMETERS DOWNSTREAM FROM DECHATIWONG BRIDGE, AMPHOE MUANG, NAKHON SAWAN.
DRAINAGE AREA	110,569 SQ.KM.
TYPE OF GAGE	WATER-STAGE RECORDER.
ZERO GAGE AT BOTTOM	+0.00 M. (M.S.L.)
BENCH MARK	B.M.-H.D.
LOCATION	ABOUT 20 METERS WEST OF THE GAGE SITE.
ELEVATION	+25.628 M. (M.S.L.)
GAGE READING FREQUENCY	RECORDING.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 24 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1914 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1956 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1956 TO DATE.
STABILITY OF CHANNEL REGIMES	STABLE.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS GOOD. STAGE-DISCHARGE RELATION DEFINED BY 169 DISCHARGE MEASUREMENTS MADE IN 1983.

GAGE HEIGHT IN METER (MSL), WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	19.71	19.85	19.43	18.23	19.57	19.56	21.16	23.47	22.29	18.86	18.40	19.67	
2	19.90	19.98	19.39	18.43	19.53	19.61	21.32	23.43	22.02	18.80	18.33	19.65	
3	19.77	20.00	19.20	18.74	19.53	19.86	21.46	23.67	21.84	18.65	18.40	19.65	
4	19.68	19.72	19.23	18.85	19.57	20.30	21.40	23.68	21.69	18.57	18.66	19.58	
5	19.63	19.46	19.38	18.87	19.66	20.72	21.37	23.57	21.51	18.53	18.72	19.69	
6	19.70	19.36	19.33	19.08	19.77	20.94	21.39	23.42	21.30	18.49	18.73	19.60	
7	19.77	19.53	19.13	18.90	19.91	21.01	21.70	23.32	21.14	18.49	18.75	19.52	
8	19.78	19.70	18.85	18.68	19.99	21.00	21.93	23.19	20.98	18.43	18.75	19.60	
9	19.83	19.73	18.69	18.67	20.07	21.01	22.07	23.07	20.83	18.37	18.79	19.73	
10	19.78	19.77	18.78	18.77	20.19	21.21	22.17	22.94	20.68	18.36	18.76	19.74	
11	19.87	19.81	18.99	18.72	20.21	21.33	22.39	22.88	20.54	18.33	18.78	19.71	
12	19.83	19.75	18.99	18.67	20.15	21.35	22.64	23.37	20.41	18.32	18.91	19.75	
13	19.83	19.60	18.92	18.60	20.25	21.46	22.92	23.54	20.30	18.27	19.08	19.83	
14	19.82	19.46	19.00	18.55	20.48	21.56	23.35	23.58	20.17	18.24	19.09	19.75	
15	19.80	19.30	18.98	18.46	20.51	21.59	23.63	23.81	20.07	18.24	19.04	19.53	
16	19.71	19.21	19.02	18.63	20.24	21.77	23.81	23.81	19.94	18.25	19.05	19.55	
17	19.59	19.23	19.15	18.70	19.99	21.91	23.91	23.77	19.85	18.26	19.24	19.71	
18	19.63	19.25	19.27	18.76	19.81	22.06	24.05	23.74	19.77	18.40	19.40	19.81	
19	19.70	19.26	19.30	18.78	19.71	22.16	24.13	23.80	19.66	18.50	19.48	19.81	
20	19.72	19.24	19.55	18.83	19.63	22.25	24.19	23.86	19.46	18.49	19.48	19.90	
21	19.74	19.31	19.67	18.87	19.53	22.29	24.33	23.79	19.32	18.48	19.44	19.74	
22	19.77	19.35	19.41	19.00	19.51	22.20	24.39	23.71	19.22	18.43	19.22	19.75	
23	19.89	19.40	18.86	19.05	19.49	22.08	24.40	23.60	19.14	18.41	19.21	19.88	
24	19.83	19.33	18.54	19.14	19.54	22.00	24.34	23.46	19.08	18.40	19.41	19.83	
25	19.88	19.34	18.46	19.19	19.64	21.94	24.22	23.31	19.04	18.39	19.64	19.85	
26	19.87	19.35	18.38	19.22	19.78	21.85	24.12	23.13	18.92	18.33	19.77	19.86	
27	19.81	19.44	18.30	19.30	19.80	21.74	24.00	22.97	18.82	18.32	19.72	19.93	
28	19.73	19.45	18.31	19.33	19.78	21.57	23.89	22.82	18.72	18.49	19.76	19.71	
29	19.70	19.53	18.35	19.30	19.73	21.38	23.77	22.63	18.64	18.40	19.75	19.43	
30	19.90	19.49	18.26	19.39	19.59	21.24	23.68	22.46	18.63	18.28		19.56	
31		19.55		19.48	19.55		23.56		18.78	18.33		19.72	
MEAN	19.77	19.51	18.97	18.88	19.83	21.36	23.09	23.39	20.09	18.42	19.10	19.71	
MAX	19.90	20.00	19.67	19.48	20.51	22.29	24.40	23.86	22.29	18.86	19.77	19.93	24.40
MIN	19.59	19.21	18.26	18.23	19.49	19.56	21.16	22.46	18.63	18.24	18.33	19.43	18.23

ANNUAL MAX MOMENTARY GAGE HEIGHT 24.40 M (MSL), AT 13.00 HOURS, ON OCT 22, 1983
ZERO GAGE AT BOTTOM ELEVATION 0.00 M (MSL), RIVER BED 14.99 M (MSL)
LEFT BANK ELEVATION 25.81 M (MSL)
RIGHT BANK ELEVATION 26.18 M (MSL), DRAINAGE AREA 110569 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	572.	609.	503.	250.	538.	535.	988.	1861.	1374.	374.	280.	563.	
2	623.	645.	493.	286.	528.	548.	1039.	1844.	1273.	360.	268.	558.	
3	588.	650.	450.	348.	528.	612.	1084.	1952.	1209.	330.	280.	558.	
4	565.	575.	457.	371.	538.	732.	1065.	1956.	1159.	314.	332.	540.	
5	552.	510.	490.	376.	560.	856.	1055.	1906.	1101.	306.	344.	568.	
6	570.	486.	479.	423.	588.	922.	1062.	1839.	1032.	298.	346.	545.	
7	588.	528.	434.	383.	625.	943.	1163.	1796.	982.	298.	350.	525.	
8	590.	570.	371.	336.	647.	940.	1241.	1741.	934.	286.	350.	545.	
9	603.	578.	338.	334.	669.	943.	1291.	1690.	889.	275.	358.	578.	
10	590.	588.	356.	354.	702.	1003.	1329.	1635.	844.	273.	352.	580.	
11	614.	598.	403.	344.	708.	1042.	1411.	1609.	802.	268.	356.	572.	
12	603.	583.	403.	334.	691.	1049.	1511.	1817.	763.	266.	385.	583.	
13	603.	545.	387.	320.	719.	1084.	1626.	1893.	732.	257.	423.	603.	
14	601.	510.	405.	310.	784.	1117.	1809.	1911.	697.	252.	425.	583.	
15	595.	472.	401.	292.	793.	1127.	1933.	2014.	669.	252.	414.	528.	
16	572.	452.	410.	326.	716.	1185.	2014.	2014.	634.	254.	416.	532.	
17	543.	457.	439.	340.	647.	1234.	2059.	1997.	609.	256.	459.	572.	
18	552.	461.	466.	352.	598.	1287.	2122.	1983.	588.	280.	495.	598.	
19	570.	464.	472.	356.	572.	1325.	2158.	2010.	560.	300.	515.	598.	
20	575.	459.	532.	367.	552.	1359.	2186.	2037.	510.	298.	515.	623.	
21	580.	475.	563.	376.	528.	1374.	2255.	2006.	477.	296.	505.	580.	
22	588.	484.	498.	405.	523.	1340.	2285.	1969.	454.	286.	454.	583.	
23	620.	495.	374.	416.	518.	1295.	2290.	1920.	437.	282.	452.	617.	
24	603.	479.	308.	437.	530.	1265.	2260.	1857.	423.	280.	498.	603.	
25	617.	482.	292.	448.	555.	1244.	2200.	1792.	414.	278.	555.	609.	
26	614.	484.	276.	454.	590.	1213.	2154.	1715.	387.	268.	588.	612.	
27	598.	505.	262.	472.	595.	1176.	2100.	1647.	365.	266.	575.	631.	
28	578.	508.	264.	479.	590.	1120.	2050.	1584.	344.	298.	585.	572.	
29	570.	528.	271.	472.	578.	1058.	1997.	1507.	328.	280.	583.	503.	
30	623.	518.	256.	493.	543.	1013.	1956.	1439.	326.	259.		535.	
31		532.		515.	532.		1902.		356.	268.		575.	
TOTAL	17660.	16230.	12053.	11769.	18785.	31941.	53595.	54941.	21672.	8858.	12458.	17772.	277734. CMSDAY
MEAN	589.	524.	402.	380.	606.	1065.	1729.	1831.	699.	286.	430.	573.	759. CMS
MAX	623.	650.	563.	515.	793.	1374.	2290.	2037.	1374.	374.	588.	631.	2290. CMS
MIN	543.	452.	256.	250.	518.	535.	988.	1439.	326.	252.	268.	503.	250. CMS
RUNOFF	1525.8	1402.3	1041.4	1016.8	1623.0	2759.7	4630.6	4746.9	1872.5	765.3	1076.4	1535.5	23996.2 MCM

MOMENTARY PEAK 2290.00 CMS, AT 24.40 M (MSL), AT 13.00 HOURS, ON OCT 22, 1983

RUNOFF YIELD 6.86 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 20.71 LITERS/SECOND/SQUARE KM

WATER YEAR 1983

CHAO PHRAYA RIVER BASIN

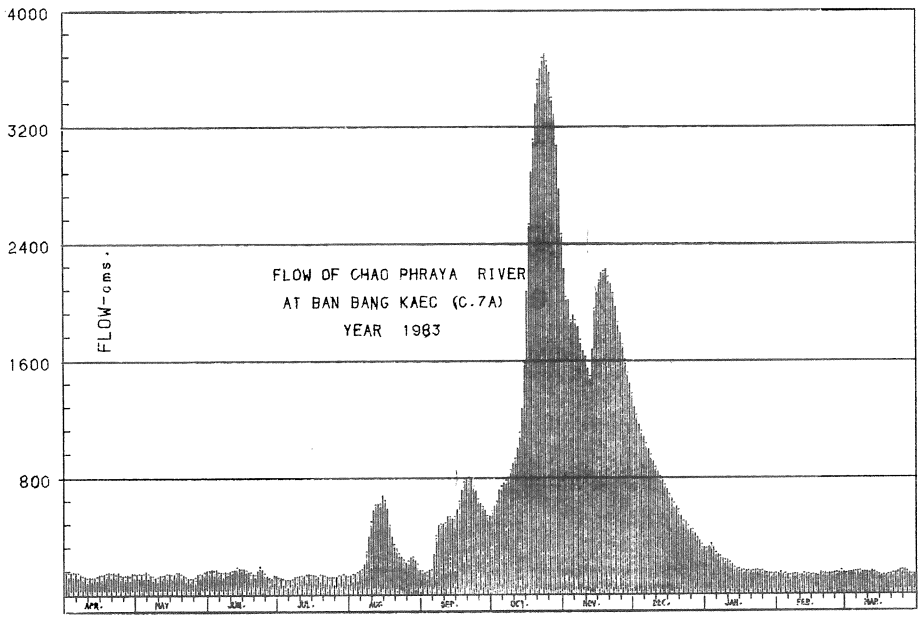
CHAO PHRAYA RIVER AT BAN BANG KAEO, ANG THONG (C.7A)

LOCATION	LAT. 14°-35'-05" N., LONG. 100°-27'-12" E., ON LEFT BANK ABOUT 40 METERS DOWNSTREAM FROM ANG THONG BRIDGE, BAN BANG KAEO, AMPHOE MUANG, ANG THONG.
DRAINAGE AREA	FLOOD PLAIN.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM	+0.00 M. (M.S.L.)
BENCH MARK	B.M.-H.D.
LOCATION	ABOUT 21 METERS FROM THE TOP OF STAFF GAGE.
ELEVATION	+7.15 M. (M.S.L.)
GAGE READING FREQUENCY	5-TIME DAILY READINGS AT 06.00, 09.00, 12.00,15.00 AND 18.00 HOURS.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 5 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1971 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1976-1979
RATED BY FLOAT	-
RATED BY CURRENT METER	1976-1979
STABILITY OF CHANNEL REGIMES	STABLE.
OVERBANK FLOW CONDITIONS	OVERBANK FLOW STARTS AT ELEVATION +6.81 M.(M.S.L.) AND IS INCLUDED.
GENERAL DESCRIPTION	RECORDS GOOD. STAGE-DISCHARGE RELATION DEFINED BY 289 DISCHARGE MEASUREMENTS MADE DURING 1976

GAGE HEIGHT IN METER (MSL), WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.73	0.64	0.83	0.43	0.55	0.81	3.24	7.03	6.00	1.78	0.61	0.64	
2	0.74	0.67	0.87	0.41	0.63	0.70	3.40	6.88	5.88	1.86	0.70	0.68	
3	0.74	0.64	0.83	0.37	0.62	0.73	3.59	6.86	5.71	1.96	0.57	0.68	
4	0.76	0.66	0.88	0.28	0.72	0.83	3.96	6.74	5.58	1.81	0.62	0.73	
5	0.73	0.78	0.74	0.30	0.82	0.85	4.08	6.77	5.45	1.60	0.55	0.73	
6	0.73	0.65	0.73	0.28	0.87	1.56	4.16	6.74	5.29	1.51	0.53	0.77	
7	0.64	0.57	0.71	0.34	1.12	2.32	4.26	6.70	5.14	1.46	0.58	0.75	
8	0.56	0.53	0.76	0.47	1.67	2.70	4.35	6.62	4.98	1.33	0.59	0.69	
9	0.53	0.43	0.69	0.48	2.26	2.75	4.57	6.54	4.80	1.30	0.59	0.69	
10	0.44	0.48	0.77	0.53	2.86	2.75	4.74	6.50	4.64	1.27	0.49	0.70	
11	0.49	0.56	0.81	0.54	3.26	2.80	4.90	6.41	4.51	1.18	0.53	0.65	
12	0.46	0.57	0.85	0.50	3.47	3.03	5.17	6.34	4.36	1.08	0.64	0.75	
13	0.47	0.61	0.99	0.61	3.48	3.02	5.55	6.55	4.23	0.93	0.59	0.70	
14	0.53	0.65	0.93	0.63	3.49	2.94	5.98	6.81	4.10	0.85	0.59	0.64	
15	0.62	0.65	0.89	0.58	3.77	3.03	6.45	6.90	3.97	0.88	0.55	0.57	
16	0.62	0.61	0.91	0.58	3.62	3.27	6.91	6.97	3.80	0.79	0.56	0.51	
17	0.66	0.62	0.84	0.53	3.31	3.59	7.24	7.01	3.65	0.80	0.55	0.53	
18	0.71	0.71	0.74	0.46	2.72	3.94	7.44	7.02	3.51	0.78	0.50	0.51	
19	0.76	0.74	0.73	0.61	2.25	4.21	7.55	7.03	3.38	0.78	0.70	0.57	
20	0.70	0.64	0.63	0.60	1.96	4.32	7.66	6.99	3.26	0.75	0.63	0.61	
21	0.74	0.58	0.60	0.55	1.79	4.35	7.73	6.95	3.03	0.77	0.65	0.64	
22	0.65	0.49	0.79	0.48	1.59	4.32	7.76	6.90	2.85	0.79	0.59	0.65	
23	0.73	0.41	1.03	0.45	1.45	4.07	7.79	6.82	2.82	0.80	0.62	0.70	
24	0.59	0.41	0.86	0.48	1.32	3.91	7.80	6.73	2.68	0.78	0.61	0.81	
25	0.54	0.39	0.67	0.44	1.18	3.66	7.78	6.66	2.53	0.77	0.66	0.81	
26	0.57	0.46	0.50	0.47	1.27	3.50	7.75	6.59	2.52	0.70	0.67	0.83	
27	0.60	0.63	0.41	0.57	1.42	3.39	7.68	6.48	2.36	0.66	0.65	0.74	
28	0.55	0.65	0.37	0.55	1.45	3.25	7.63	6.37	2.21	0.64	0.81	0.64	
29	0.70	0.63	0.54	0.63	1.28	3.06	7.53	6.27	2.08	0.62	0.69	0.58	
30	0.66	0.75	0.53	0.57	1.12	3.04	7.38	6.16	1.93	0.62		0.60	
31		0.82		0.50	0.82		7.20		1.82	0.63		0.59	
MEAN	0.63	0.60	0.75	0.49	1.88	2.89	6.10	6.71	3.84	1.05	0.61	0.67	
MAX	0.76	0.82	1.03	0.63	3.77	4.35	7.80	7.03	6.00	1.96	0.81	0.83	7.80
MIN	0.44	0.39	0.37	0.28	0.55	0.70	3.24	6.16	1.82	0.62	0.49	0.51	0.28

ANNUAL MAX MOMENTARY GAGE HEIGHT 7.80 M (MSL), AT 15.00 HOURS, ON OCT 23, 1983
ZERO GAGE AT BOTTOM ELEVATION 0.00 M (MSL), RIVER BED -7.60 M (MSL)
LEFT BANK ELEVATION 7.20 M (MSL)
RIGHT BANK ELEVATION 6.80 M (MSL), DRAINAGE AREA SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	154.	142.	167.	117.	131.	164.	574.	2225.	1280.	314.	138.	142.	
2	155.	146.	172.	114.	141.	150.	604.	2036.	1227.	327.	150.	147.	
3	155.	142.	167.	110.	140.	154.	640.	2013.	1160.	344.	133.	147.	
4	158.	145.	173.	100.	153.	167.	717.	1874.	1116.	319.	140.	154.	
5	154.	160.	155.	102.	166.	170.	744.	1908.	1076.	283.	131.	154.	
6	154.	144.	154.	100.	172.	276.	761.	1874.	1031.	268.	129.	159.	
7	142.	133.	151.	106.	208.	405.	783.	1828.	991.	260.	135.	157.	
8	132.	129.	158.	121.	295.	473.	803.	1742.	951.	240.	136.	149.	
9	129.	117.	149.	123.	395.	482.	853.	1663.	908.	235.	136.	149.	
10	118.	123.	159.	129.	502.	482.	894.	1625.	870.	231.	124.	150.	
11	124.	132.	164.	130.	577.	491.	932.	1547.	839.	217.	129.	144.	
12	120.	133.	170.	125.	617.	534.	999.	1492.	805.	202.	142.	157.	
13	121.	138.	189.	138.	619.	532.	1107.	1673.	777.	180.	136.	150.	
14	129.	144.	180.	141.	621.	517.	1271.	1954.	748.	170.	136.	142.	
15	140.	144.	175.	135.	677.	534.	1581.	2060.	719.	173.	131.	133.	
16	140.	138.	177.	135.	646.	579.	2072.	2147.	683.	162.	132.	126.	
17	145.	140.	168.	129.	587.	640.	2531.	2198.	652.	163.	131.	129.	
18	151.	151.	155.	120.	477.	713.	2888.	2211.	625.	160.	125.	126.	
19	158.	155.	154.	138.	394.	772.	3113.	2225.	600.	160.	150.	133.	
20	150.	142.	141.	137.	344.	796.	3356.	2172.	577.	157.	141.	138.	
21	155.	135.	137.	131.	315.	803.	3524.	2122.	534.	159.	144.	142.	
22	144.	124.	162.	123.	281.	796.	3599.	2060.	500.	162.	136.	144.	
23	154.	114.	195.	119.	258.	741.	3675.	1966.	495.	163.	140.	150.	
24	136.	114.	171.	123.	238.	706.	3700.	1862.	469.	160.	138.	164.	
25	130.	112.	146.	118.	217.	654.	3650.	1785.	442.	159.	145.	164.	
26	133.	120.	125.	121.	231.	623.	3574.	1711.	441.	150.	146.	167.	
27	137.	141.	114.	133.	253.	602.	3402.	1608.	412.	145.	144.	155.	
28	131.	144.	110.	131.	258.	576.	3287.	1515.	387.	142.	164.	142.	
29	150.	141.	130.	141.	232.	539.	3071.	1442.	365.	140.	149.	135.	
30	145.	157.	129.	133.	208.	536.	2772.	1372.	339.	140.		137.	
31		166.		125.	166.		2466.		320.	141.		136.	
TOTAL	4244.	4266.	4697.	3848.	10519.	15607.	63943.	55910.	22339.	6226.	4011.	4522.	200132. CMSDAY
MEAN	141.	138.	157.	124.	339.	520.	2063.	1864.	721.	201.	138.	146.	547. CMS
MAX	158.	166.	195.	141.	677.	803.	3700.	2225.	1280.	344.	164.	167.	3700. CMS
MIN	118.	112.	110.	100.	131.	150.	574.	1372.	320.	140.	124.	126.	100. CMS
RUNOFF	366.7	368.6	405.8	332.5	908.8	1348.4	5524.7	4830.6	1930.1	537.9	346.6	390.7	17291.4 MCM

MOMENTARY PEAK 3700.00 CMS, AT 7.80 M (MSL), AT 15.00 HOURS, ON OCT 23, 1983

RUNOFF YIELD LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD LITERS/SECOND/SQUARE KM

WATER YEAR 1983

CHAO PHRAYA RIVER BASIN

CHAO PHRAYA RIVER AT BAN RE RAI, CHAI NAT (C.13)

LOCATION — LAT. 15°-09'-57" N., LONG. 100°-11'-32" E., ON LEFT BANK AT WAT PHO NGAM ABOUT 1.5 KILOMETERS DOWNSTREAM FROM CHAO PHRAYA DIVERSION DAM, AMPHOE SANPHAYA, CHAINAT

DRAINAGE AREA — 120,693 SQ.KM.

TYPE OF GAGE — STAFF GAGE.

ZERO GAGE AT BOTTOM — +0.00.00 M. (M.S.L.)

BENCH MARK — B.M.-H.D.

LOCATION — ALONG THE GAGE LINE.

ELEVATION — +15.634 M. (M.S.L.)

GAGE READING FREQUENCY — 5-TIME DAILY READINGS AT 06.00, 09.00, 12.00, 15.00 AND 18.00 HOURS.

BASIS OF MEAN DAILY GAGE HEIGHT — ARITHMETIC MEAN OF 5 READINGS.

PERIOD OF AVAILABLE GAGE RECORDS — 1947 TO DATE.

RATING OPERATION

PERIOD OF RATING — 1953-1962, 1965-1968, 1972, 1975-1976, 1980 TO DATE.

RATED BY FLOAT — -

RATED BY CURRENT METER — 1953-1962, 1965-1968, 1972, 1975-1976, 1980 TO DATE.

STABILITY OF CHANNEL REGIMES — STABLE.

OVERBANK FLOW CONDITIONS — OVERBANK FLOW STARTS AT ELEVATION +15.94 M.(M.S.L.) AND IS INCLUDED.

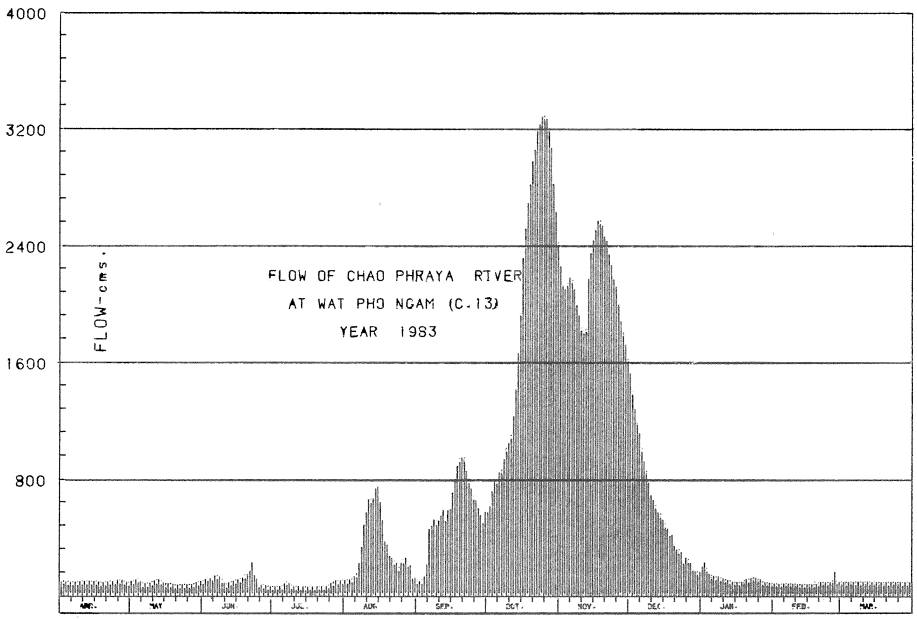
GENERAL DESCRIPTION — RECORDS GOOD.. FLOW REGULATED BY CHAO PHRAYA DIVERSION DAM ABOVE GAGE SITE WHICH DIVERTED FOR IRRIGATION ABOUT 979,000 HECTARES. STAGE-DISCHARGE RELATION DEFINED BY 168 DISCHARGE MEASUREMENTS MADE IN 1983.

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GAGE HEIGHT IN METER (MSL), WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	6.90	6.97	6.99	6.59	7.02	7.04	9.88	14.39	12.68	7.94	6.80	6.91	
2	6.95	6.99	7.09	6.59	7.05	6.94	9.94	14.14	12.38	8.00	6.78	6.90	
3	6.91	7.07	7.20	6.60	7.06	7.05	10.40	14.04	12.06	7.71	6.77	6.90	
4	6.93	7.11	7.13	6.61	7.12	7.26	10.59	14.13	11.84	7.40	6.77	6.90	
5	6.89	6.93	7.19	6.63	7.27	8.08	10.62	14.22	11.61	7.34	6.79	6.91	
6	6.89	6.82	7.29	6.79	7.41	9.27	10.79	14.18	11.31	7.29	6.81	6.91	
7	6.89	6.81	7.31	6.93	7.96	9.49	10.84	14.04	11.04	7.25	6.79	6.92	
8	6.91	6.82	7.24	6.82	8.75	9.56	11.09	13.84	10.82	7.26	6.79	6.92	
9	6.94	6.84	7.08	6.68	9.41	9.52	11.32	13.64	10.55	7.20	6.78	6.91	
10	6.96	6.92	6.83	6.60	9.87	9.53	11.42	13.45	10.33	7.16	6.77	6.92	
11	6.95	6.99	6.78	6.60	10.14	9.79	11.57	13.35	10.12	7.09	6.75	6.92	
12	6.94	7.05	6.86	6.60	10.15	9.84	11.93	13.42	9.97	7.05	6.75	6.93	
13	6.96	7.07	6.91	6.58	10.16	9.63	12.47	14.20	9.78	7.00	6.75	6.92	
14	6.94	6.98	6.97	6.58	10.48	9.84	13.03	14.63	9.73	6.93	6.75	6.90	
15	6.95	6.86	7.03	6.57	10.46	9.98	13.68	14.78	9.56	6.91	6.75	6.91	
16	6.94	6.78	7.07	6.56	10.17	10.31	14.52	14.96	9.44	6.91	6.74	6.90	
17	6.90	6.80	7.11	6.56	9.54	10.69	14.99	15.06	9.29	6.91	6.74	6.89	
18	6.88	6.80	7.20	6.56	8.97	10.94	15.32	15.06	9.18	6.92	6.74	6.89	
19	6.87	6.76	7.33	6.57	8.72	11.11	15.62	14.99	9.09	7.01	6.75	6.89	
20	6.91	6.70	7.38	6.58	8.45	11.13	15.90	14.87	8.81	7.11	6.84	6.90	
21	6.91	6.70	7.70	6.58	8.22	11.12	16.10	14.77	8.54	7.12	6.90	6.90	
22	6.95	6.70	7.99	6.58	8.08	10.82	16.31	14.61	8.54	7.18	6.90	6.90	
23	6.94	6.72	7.50	6.59	7.97	10.64	16.45	14.41	8.45	7.20	6.89	6.90	
24	6.99	6.72	7.10	6.60	7.74	10.41	16.51	14.24	8.14	7.19	6.88	6.90	
25	7.04	6.72	6.75	6.71	7.97	10.22	16.52	14.08	8.24	7.11	6.88	6.90	
26	7.03	6.73	6.70	6.82	8.15	10.11	16.48	13.84	8.16	7.09	6.99	6.89	
27	7.04	6.74	6.69	6.89	8.23	9.99	16.36	13.55	7.97	6.95	7.51	6.89	
28	6.96	6.78	6.67	7.01	7.99	9.69	16.08	13.37	7.76	6.88	6.98	6.90	
29	6.90	6.86	6.61	7.00	7.85	9.57	15.63	13.17	7.54	6.88	6.90	6.90	
30	6.88	6.91	6.59	7.00	7.34	9.79	15.19	12.93	7.53	6.85		6.89	
31		6.95		7.04	7.19		14.75		7.49	6.82		6.88	
MEAN	6.93	6.86	7.08	6.69	8.48	9.65	13.62	14.15	9.61	7.15	6.84	6.90	
MAX	7.04	7.11	7.99	7.04	10.48	11.13	16.52	15.06	12.68	8.00	7.51	6.93	16.52
MIN	6.87	6.70	6.59	6.56	7.02	6.94	9.88	12.93	7.49	6.82	6.74	6.88	6.56

ANNUAL MAX MOMENTARY GAGE HEIGHT 16.52 M (MSL), AT 4.00 HOURS, ON OCT 25, 1983
ZERO GAGE AT BOTTOM ELEVATION 0.00 M (MSL), RIVER BED 2.05 M (MSL)
LEFT BANK ELEVATION 15.93 M (MSL)
RIGHT BANK ELEVATION 16.35 M (MSL), DRAINAGE AREA 120693 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	100.	107.	109.	69.	112.	114.	600.	2256.	1522.	226.	90.	101.	
2	105.	109.	119.	69.	115.	104.	615.	2143.	1402.	234.	88.	100.	
3	101.	117.	130.	70.	116.	115.	735.	2098.	1278.	196.	87.	100.	
4	103.	121.	123.	71.	122.	138.	787.	2139.	1195.	156.	87.	100.	
5	99.	103.	129.	73.	139.	244.	796.	2179.	1113.	148.	89.	101.	
6	99.	92.	142.	89.	157.	461.	847.	2161.	1009.	142.	91.	101.	
7	99.	91.	144.	103.	229.	510.	862.	2098.	922.	137.	89.	102.	
8	101.	92.	135.	92.	360.	526.	937.	2008.	856.	138.	89.	102.	
9	104.	94.	118.	78.	492.	517.	1012.	1918.	776.	130.	88.	101.	
10	106.	102.	93.	70.	597.	519.	1047.	1836.	716.	126.	87.	102.	
11	105.	109.	88.	70.	665.	578.	1099.	1794.	660.	119.	85.	102.	
12	104.	115.	96.	70.	667.	590.	1229.	1824.	623.	115.	85.	103.	
13	106.	117.	101.	69.	670.	542.	1438.	2170.	575.	110.	85.	102.	
14	104.	108.	107.	69.	757.	590.	1662.	2364.	564.	103.	85.	100.	
15	105.	96.	113.	68.	751.	625.	1936.	2435.	526.	101.	85.	101.	
16	104.	88.	117.	67.	673.	710.	2314.	2521.	499.	101.	84.	100.	
17	100.	90.	121.	67.	522.	817.	2535.	2569.	465.	101.	84.	99.	
18	98.	90.	130.	67.	400.	892.	2692.	2569.	441.	102.	84.	99.	
19	97.	86.	147.	68.	354.	943.	2840.	2535.	423.	111.	85.	99.	
20	101.	80.	153.	69.	305.	949.	2980.	2478.	371.	121.	94.	100.	
21	101.	80.	195.	69.	264.	946.	3080.	2431.	322.	122.	100.	100.	
22	105.	80.	233.	69.	244.	856.	3185.	2355.	322.	128.	100.	100.	
23	104.	82.	169.	69.	230.	802.	3255.	2264.	305.	130.	99.	100.	
24	109.	82.	120.	70.	200.	738.	3285.	2188.	252.	129.	98.	100.	
25	114.	82.	85.	81.	230.	686.	3290.	2116.	267.	121.	98.	100.	
26	113.	83.	80.	92.	253.	657.	3270.	2008.	255.	119.	109.	99.	
27	114.	84.	79.	99.	265.	627.	3210.	1879.	230.	105.	170.	99.	
28	106.	88.	77.	111.	233.	555.	3070.	1802.	203.	98.	108.	100.	
29	100.	96.	71.	110.	215.	528.	2845.	1718.	174.	98.	100.	100.	
30	98.	101.	69.	110.	148.	578.	2630.	1622.	173.	95.		99.	
31		105.		114.	129.		2421.		168.	92.		98.	
TOTAL	3105.	2970.	3593.	2462.	10614.	17457.	62504.	64478.	18607.	3954.	2723.	3110.	195577. CMSDAY
MEAN	104.	96.	120.	79.	342.	582.	2016.	2149.	600.	128.	94.	100.	534. CMS
MAX	114.	121.	233.	114.	757.	949.	3290.	2569.	1522.	234.	170.	103.	3290. CMS
MIN	97.	80.	69.	67.	112.	104.	600.	1622.	168.	92.	84.	98.	67. CMS
RUNOFF	268.3	256.6	310.4	212.7	917.0	1508.3	5400.3	5570.9	1607.6	341.6	235.3	268.7	16897.9 MCM

MOMENTARY PEAK 3290.00 CMS, AT 16.52 M (MSL), AT 4.00 HOURS, ON OCT 25, 1983

RUNOFF YIELD 4.43 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 27.26 LITERS/SECOND/SQUARE KM

WATER YEAR 1983

CHAO PHRAYA RIVER BASIN

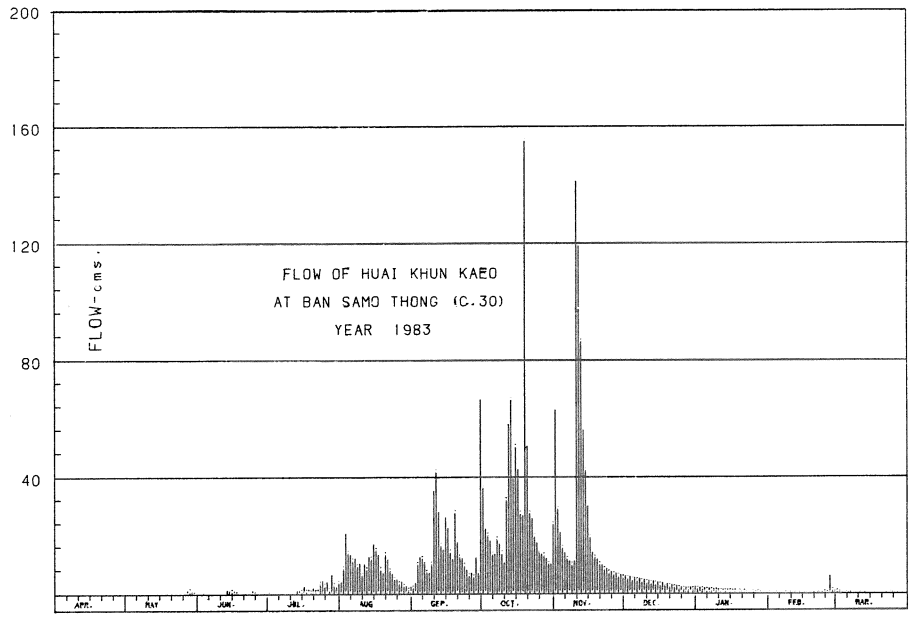
HUAI KHUN KAEO AT BAN SAMO THONG, UTHAI THANI (C.30)

LOCATION	LAT. 15°-21'-04" N., LONG. 99°-32'-22" E., ON RIGHT BANK INFRONT OF THE WAT SAMO THONG SCHOOL, BAN SAMO THONG, TAMBON KHOK KHWAI, AMPHOE BAN RAI, UTHAI THANI.
DRAINAGE AREA	219 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM	+0.00 M.(A.D.)
BENCH MARK	B.M.-H.D.
LOCATION	ON RIGHT BANK ABOUT 60 METERS FROM THE TOP OF STAFF GAGE.
ELEVATION	+11.75 M.(A.D.)
GAGE READING FREQUENCY	5-TIME DAILY READINGS AT 06.00, 09.00, 12.00, 15.00 AND 18.00 HOURS.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 5 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1982 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1983 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1983 TO DATE.
STABILITY OF CHANNEL REGIMES	STABLE.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS GOOD. STAGE-DISCHARGE RELATION DEFINED BY 169 DISCHARGE MEASUREMENTS MADE IN 1983.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.18	0.18	0.45	0.35	1.03	0.87	2.80	3.33	1.29	0.81	0.45	0.54	
2	0.18	0.18	0.40	0.32	1.56	1.00	2.29	2.59	1.27	0.77	0.44	0.50	
3	0.18	0.18	0.35	0.29	2.23	1.65	2.23	2.24	1.25	0.76	0.44	0.47	
4	0.18	0.18	0.30	0.31	1.92	1.77	2.11	2.02	1.23	0.74	0.43	0.44	
5	0.18	0.20	0.27	0.28	1.83	1.79	1.88	1.87	1.21	0.72	0.42	0.41	
6	0.18	0.19	0.25	0.25	1.74	1.66	1.84	1.77	1.19	0.70	0.41	0.38	
7	0.18	0.20	0.24	0.24	1.75	1.47	2.17	1.68	1.17	0.69	0.41	0.37	
8	0.18	0.20	0.25	0.28	1.61	1.40	2.05	1.65	1.15	0.68	0.40	0.36	
9	0.18	0.21	0.24	0.26	1.63	1.66	1.91	1.68	1.13	0.67	0.40	0.36	
10	0.18	0.22	0.24	0.27	1.40	2.75	1.64	4.34	1.11	0.64	0.39	0.35	
11	0.18	0.26	0.23	0.26	1.61	2.93	2.68	4.10	1.09	0.62	0.39	0.35	
12	0.18	0.26	0.31	0.34	1.54	2.52	3.24	3.70	1.07	0.62	0.38	0.33	
13	0.18	0.35	0.78	0.73	1.78	2.07	3.40	3.20	1.06	0.61	0.38	0.34	
14	0.18	0.29	0.55	0.56	1.78	1.94	2.86	2.94	1.04	0.61	0.38	0.33	
15	0.18	0.29	0.64	0.61	2.05	2.48	3.10	2.60	1.02	0.60	0.37	0.33	
16	0.18	0.27	0.58	0.85	1.98	2.30	2.93	2.20	1.00	0.59	0.36	0.32	
17	0.18	0.22	0.46	0.62	1.83	1.94	2.53	1.88	0.99	0.58	0.35	0.31	
18	0.18	0.22	0.40	0.68	1.55	1.73	2.47	1.80	0.98	0.57	0.37	0.31	
19	0.18	0.20	0.36	0.59	1.39	2.54	4.47	1.72	0.95	0.56	0.41	0.30	
20	0.18	0.20	0.35	0.75	1.88	2.08	3.09	1.65	0.93	0.55	0.55	0.30	
21	0.18	0.20	0.31	0.61	1.72	1.83	2.53	1.59	0.91	0.54	0.42	0.29	
22	0.18	0.19	0.28	0.67	1.51	1.74	2.43	1.54	0.89	0.52	0.37	0.33	
23	0.18	0.19	0.28	1.06	1.37	1.63	2.22	1.51	0.87	0.53	0.36	0.30	
24	0.18	0.18	0.56	1.10	1.24	1.48	2.07	1.46	0.85	0.53	0.34	0.47	
25	0.18	0.18	0.43	0.97	1.15	1.37	1.91	1.43	0.81	0.52	0.53	0.36	
26	0.18	0.29	0.37	1.03	1.06	1.40	1.84	1.41	0.80	0.51	0.41	0.32	
27	0.18	0.57	0.34	0.79	1.05	1.33	1.86	1.38	0.79	0.49	1.27	0.31	
28	0.18	0.72	0.33	1.34	0.95	1.76	1.74	1.36	0.77	0.48	0.67	0.30	
29	0.18	0.55	0.33	1.00	0.86	1.46	1.66	1.33	0.79	0.47	0.55	0.29	
30	0.18	0.43	0.39	0.82	0.78	3.39	1.61	1.31	0.79	0.46		0.32	
31		0.36		1.09	0.84		2.38		0.83	0.45		0.31	
MEAN	0.18	0.27	0.38	0.62	1.50	1.86	2.39	2.11	1.01	0.60	0.45	0.35	
MAX	0.18	0.72	0.78	1.34	2.23	3.39	4.47	4.34	1.29	0.81	1.27	0.54	4.47
MIN	0.18	0.18	0.23	0.24	0.78	0.87	1.61	1.31	0.77	0.45	0.34	0.29	0.18

ANNUAL MAX MOMENTARY GAGE HEIGHT 5.09 M (A.D), AT 14.00 HOURS, ON OCT 19, 1983
ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D), RIVER BED -0.02 M (A.D)
LEFT BANK ELEVATION 11.20 M (A.D)
RIGHT BANK ELEVATION 12.45 M (A.D), DRAINAGE AREA 219 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.16	0.16	0.80	0.50	4.04	2.76	37.00	62.80	6.12	2.28	0.80	1.16	
2	0.16	0.16	0.60	0.44	9.40	3.80	22.25	29.75	5.96	2.08	0.76	1.00	
3	0.16	0.16	0.50	0.38	20.75	10.75	20.75	21.00	5.80	2.04	0.76	0.88	
4	0.16	0.16	0.40	0.42	14.80	12.55	18.20	16.40	5.64	1.96	0.72	0.76	
5	0.16	0.20	0.34	0.36	13.45	12.85	14.20	14.05	5.48	1.88	0.68	0.64	
6	0.16	0.18	0.30	0.30	12.10	10.90	13.60	12.55	5.32	1.80	0.64	0.56	
7	0.16	0.20	0.28	0.28	12.25	8.11	19.40	11.20	5.16	1.76	0.64	0.54	
8	0.16	0.20	0.30	0.36	10.15	7.20	17.00	10.75	5.00	1.72	0.60	0.52	
9	0.16	0.22	0.28	0.32	10.45	10.90	14.65	11.20	4.84	1.68	0.60	0.52	
10	0.16	0.24	0.28	0.34	7.20	35.25	10.60	142.00	4.68	1.56	0.58	0.50	
11	0.16	0.32	0.26	0.32	10.15	42.50	32.80	119.00	4.52	1.48	0.58	0.50	
12	0.16	0.32	0.42	0.48	9.10	28.00	58.00	87.00	4.36	1.48	0.56	0.46	
13	0.16	0.50	2.12	1.92	12.70	17.40	67.00	56.00	4.28	1.44	0.56	0.48	
14	0.16	0.38	1.20	1.24	12.70	15.10	39.40	43.00	4.12	1.44	0.56	0.46	
15	0.16	0.38	1.56	1.44	17.00	27.00	51.00	30.00	3.96	1.40	0.54	0.46	
16	0.16	0.34	1.32	2.60	15.70	22.50	42.50	20.00	3.80	1.36	0.52	0.44	
17	0.16	0.24	0.84	1.48	13.45	15.10	28.25	14.20	3.72	1.32	0.50	0.42	
18	0.16	0.24	0.60	1.72	9.25	11.95	26.75	13.00	3.64	1.28	0.54	0.42	
19	0.16	0.20	0.52	1.36	7.10	28.50	155.70	11.80	3.40	1.24	0.64	0.40	
20	0.16	0.20	0.50	2.00	14.20	17.60	50.50	10.75	3.24	1.20	1.20	0.40	
21	0.16	0.20	0.42	1.44	11.80	13.45	28.25	9.85	3.08	1.16	0.68	0.38	
22	0.16	0.18	0.36	1.68	8.65	12.10	25.75	9.10	2.92	1.08	0.54	0.46	
23	0.16	0.18	0.36	4.28	6.90	10.45	20.50	8.65	2.76	1.12	0.52	0.40	
24	0.16	0.16	1.24	4.60	5.72	8.24	17.40	7.98	2.60	1.12	0.48	0.88	
25	0.16	0.16	0.72	3.56	5.00	6.90	14.65	7.59	2.28	1.08	1.12	0.52	
26	0.16	0.38	0.54	4.04	4.28	7.20	13.60	7.33	2.20	1.04	0.64	0.44	
27	0.16	1.28	0.48	2.16	4.20	6.50	13.90	7.00	2.16	0.96	5.96	0.42	
28	0.16	1.88	0.46	6.60	3.40	12.40	12.10	6.80	2.08	0.92	1.68	0.40	
29	0.16	1.20	0.46	3.80	2.68	7.98	10.90	6.50	2.16	0.88	1.20	0.38	
30	0.16	0.72	0.58	2.36	2.12	66.40	10.15	6.30	2.16	0.84		0.44	
31		0.52		4.52	2.52		24.50		2.44	0.80		0.42	
TOTAL	4.80	11.86	19.04	57.30	293.21	492.34	931.25	813.55	119.88	43.40	25.80	16.66	2829.09 CMSDAY
MEAN	0.16	0.38	0.63	1.85	9.46	16.41	30.04	27.12	3.87	1.40	0.89	0.54	7.73 CMS
MAX	0.16	1.88	2.12	6.60	20.75	66.40	155.70	142.00	6.12	2.28	5.96	1.16	155.70 CMS
MIN	0.16	0.16	0.26	0.28	2.12	2.76	10.15	6.30	2.08	0.80	0.48	0.38	0.16 CMS
RUNOFF	0.415	1.025	1.645	4.951	25.333	42.538	80.460	70.291	10.358	3.750	2.229	1.439	244.433 MCM

MOMENTARY PEAK 231.70 CMS, AT 5.09 M (A.D), AT 14.00 HOURS, ON OCT 19, 1983

RUNOFF YIELD 35.30 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 1057.99 LITERS/SECOND/SQUARE KM

WATER YEAR 1983

SAKAE KRANG RIVER BASIN

NAM WANG MA AT BAN SAN CHAO KAI TO, NAKHON SAWAN (CT.4)

LOCATION — LAT. 15°-47'-01" N., LONG. 99°-40'-55" E., ON LEFT BANK NEAR THE GAGE OBSERVER'S HOUSE AT BAN SAN CHAO KAI TO, AMPHOE LAT YAO, NAKHON SAWAN.

DRAINAGE AREA — 1,246 SQ.KM.

TYPE OF GAGE — STAFF GAGE.

ZERO GAGE AT BOTTOM — +0.00 M. (A.D.)

BENCH MARK — B.M.-H.D.

LOCATION — ON LEFT BANK DOWNSTREAM AT THE ABUTMENT OF THE BRIDGE.

ELEVATION — 6.323 M.(A.D.)

GAGE READING FREQUENCY — 5-TIME DAILY READINGS AT 06.00, 09.00, 12.00, 15.00 AND 18.00 HOURS.

BASIS OF MEAN DAILY GAGE HEIGHT — ARITHMETIC MEAN OF 5 READINGS.

PERIOD OF AVAILABLE GAGE RECORDS — 1967 TO DATE.

RATING OPERATION

PERIOD OF RATING — 1975 TO DATE.

RATED BY FLOAT — -

RATED BY CURRENT METER — 1975 TO DATE.

STABILITY OF CHANNEL REGIMES — STABLE.

OVERBANK FLOW CONDITIONS — OVERBANK FLOW STARTS AT ELEVATION +5.51 M.(M.S.L.), AND IS INCLUDED.

GENERAL DESCRIPTION — RECORDS GOOD. STAGE-DISCHARGE RELATION DEFINED BY 171 DISCHARGE MEASUREMENTS MADE IN 1983.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

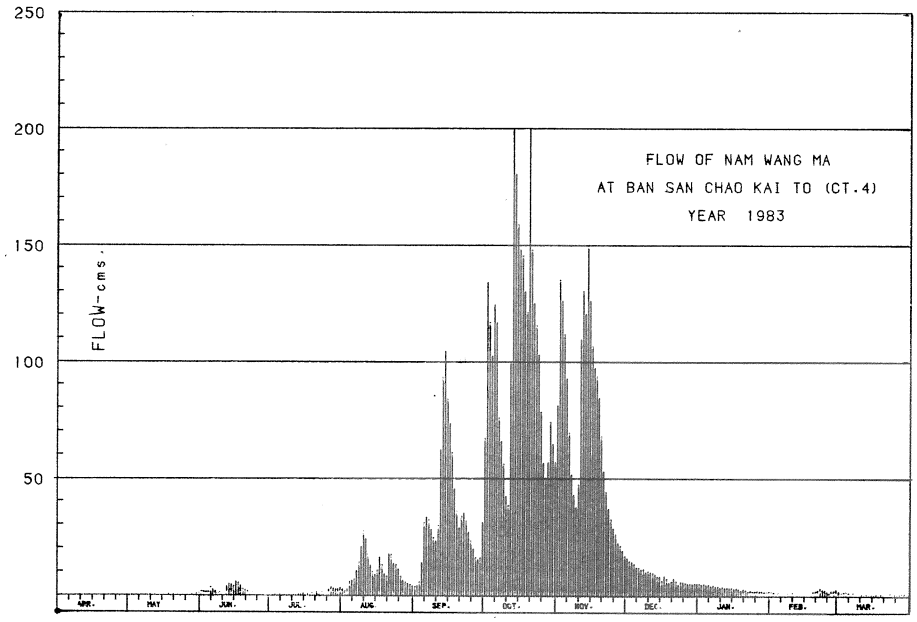
DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.60	0.58	0.93	0.69	1.08	1.19	3.93	4.27	2.06	1.32	0.99	0.98	
2	0.60	0.59	0.97	0.70	0.99	1.23	5.19	5.20	1.99	1.30	0.91	0.92	
3	0.60	0.58	0.92	0.68	1.08	1.39	4.99	5.11	1.97	1.30	0.89	0.91	
4	0.60	0.60	0.96	0.67	1.39	1.94	4.73	4.91	1.91	1.27	0.86	0.97	
5	0.60	0.60	1.16	0.65	1.43	2.76	5.09	4.52	1.82	1.27	0.87	0.87	
6	0.60	0.60	1.06	0.64	1.46	2.85	4.99	3.99	1.80	1.23	0.91	0.88	
7	0.59	0.60	0.98	0.62	1.70	2.81	4.15	3.50	1.76	1.24	0.90	0.87	
8	0.59	0.60	0.92	0.63	1.94	2.65	3.90	3.20	1.76	1.21	0.83	0.83	
9	0.59	0.62	0.87	0.63	2.29	2.49	3.64	3.01	1.68	1.20	0.83	0.85	
10	0.59	0.61	0.85	0.61	2.62	2.42	3.18	3.35	1.70	1.17	0.87	0.82	
11	0.58	0.60	0.90	0.60	2.46	2.72	3.04	4.87	1.68	1.17	0.87	0.80	
12	0.58	0.61	1.19	0.62	2.13	3.81	4.66	5.15	1.65	1.16	0.83	0.76	
13	0.57	0.59	1.29	0.64	1.86	4.53	5.52	5.04	1.62	1.15	0.82	0.79	
14	0.57	0.58	1.27	0.71	1.68	4.77	5.46	5.31	1.55	1.15	0.83	0.74	
15	0.57	0.58	1.20	0.77	1.60	4.33	5.36	5.11	1.56	1.14	0.84	0.76	
16	0.57	0.58	1.39	0.72	1.72	4.09	5.30	4.81	1.43	1.11	0.81	0.76	
17	0.56	0.63	1.34	0.75	2.07	3.78	5.28	4.62	1.57	1.12	0.82	0.78	
18	0.56	0.66	1.23	0.77	1.88	3.29	5.15	4.54	1.49	1.10	0.88	0.78	
19	0.56	0.65	1.07	0.85	1.62	2.95	5.05	4.34	1.37	1.03	0.99	0.77	
20	0.56	0.64	1.04	0.77	1.56	2.68	5.52	3.95	1.41	1.10	1.01	0.74	
21	0.56	0.63	0.96	0.99	2.14	2.87	5.30	3.54	1.50	1.05	1.06	0.70	
22	0.56	0.69	0.93	0.94	2.13	2.92	5.10	3.24	1.42	1.01	1.13	0.75	
23	0.56	0.64	0.89	0.90	1.92	2.79	4.97	2.99	1.30	1.02	1.08	0.84	
24	0.56	0.61	0.87	0.87	1.88	2.61	4.74	2.82	1.39	1.01	1.05	0.81	
25	0.56	0.60	0.83	0.92	1.76	2.43	4.21	2.67	1.40	0.99	0.99	0.76	
26	0.56	0.60	0.83	1.07	1.55	2.25	3.65	2.56	1.35	1.03	0.88	0.73	
27	0.55	0.62	0.82	1.16	1.44	2.07	3.46	2.38	1.33	1.00	1.03	0.75	
28	0.55	0.63	0.79	1.12	1.38	2.02	3.66	2.32	1.32	1.01	1.03	0.82	
29	0.55	0.62	0.75	1.07	1.33	2.06	4.10	2.22	1.32	0.95	1.08	0.79	
30	0.60	0.76	0.73	1.09	1.28	2.77	3.87	2.10	1.33	0.95		0.77	
31		0.82		1.13	1.23		3.66		1.34	0.98		0.72	
MEAN	0.58	0.62	1.00	0.81	1.70	2.78	4.54	3.85	1.57	1.12	0.93	0.81	
MAX	0.60	0.82	1.39	1.16	2.62	4.77	5.52	5.31	2.06	1.32	1.13	0.98	5.52
MIN	0.55	0.58	0.73	0.60	0.99	1.19	3.04	2.10	1.30	0.95	0.81	0.70	0.55

ANNUAL MAX MOMENTARY GAGE HEIGHT — 5.56 M (A.D), AT 7.00 HOURS, ON OCT 13, 1983

ZERO GAGE AT BOTTOM ELEVATION — 0.00 M (A.D), RIVER BED — 0.40 M (A.D)

LEFT BANK ELEVATION — 5.50 M (A.D)

RIGHT BANK ELEVATION — 5.50 M (A.D), DRAINAGE AREA — 1246 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.33	0.27	1.65	0.63	2.80	3.90	67.20	81.22	16.20	5.20	1.95	1.90	
2	0.33	0.30	1.85	0.67	1.95	4.30	134.00	135.00	14.85	5.00	1.55	1.60	
3	0.33	0.27	1.60	0.60	2.80	5.90	116.85	126.00	14.55	5.00	1.45	1.55	
4	0.33	0.33	1.80	0.57	5.90	14.10	102.50	111.65	13.65	4.70	1.30	1.85	
5	0.33	0.33	3.60	0.50	6.45	31.09	124.25	92.72	12.30	4.70	1.35	1.35	
6	0.33	0.33	2.60	0.47	6.90	33.47	116.85	69.60	12.00	4.30	1.55	1.40	
7	0.30	0.33	1.90	0.40	10.50	32.41	76.00	51.70	11.40	4.40	1.50	1.35	
8	0.30	0.33	1.60	0.43	14.10	28.25	66.00	43.00	11.40	4.10	1.15	1.15	
9	0.30	0.40	1.35	0.43	20.80	24.80	56.32	37.72	10.20	4.00	1.15	1.25	
10	0.30	0.37	1.25	0.37	27.50	23.40	42.42	47.35	10.50	3.70	1.35	1.10	
11	0.27	0.33	1.50	0.33	24.20	30.03	38.51	109.50	10.20	3.70	1.35	1.00	
12	0.27	0.37	3.90	0.40	17.60	62.40	99.16	130.00	9.75	3.60	1.15	0.87	
13	0.23	0.30	4.90	0.47	12.90	93.18	200.00	120.50	9.30	3.50	1.10	0.97	
14	0.23	0.27	4.70	0.70	10.20	104.50	180.40	149.80	8.25	3.50	1.15	0.80	
15	0.23	0.27	4.00	0.90	9.00	83.98	158.80	126.00	8.40	3.40	1.20	0.87	
16	0.23	0.27	5.90	0.73	10.80	73.60	148.00	106.50	6.45	3.10	1.05	0.87	
17	0.20	0.43	5.40	0.83	16.40	61.26	145.40	97.32	8.55	3.20	1.10	0.93	
18	0.20	0.53	4.30	0.90	13.20	45.61	130.00	93.64	7.35	3.00	1.40	0.93	
19	0.20	0.50	2.70	1.25	9.30	36.13	121.25	84.44	5.70	2.30	1.95	0.90	
20	0.20	0.47	2.40	0.90	8.40	29.00	200.00	68.00	6.15	3.00	2.10	0.80	
21	0.20	0.43	1.80	1.95	17.80	34.00	148.00	53.02	7.50	2.50	2.60	0.67	
22	0.20	0.63	1.65	1.70	17.60	35.33	125.00	44.16	6.30	2.10	3.30	0.83	
23	0.20	0.47	1.45	1.50	13.80	31.88	115.55	37.19	5.00	2.20	2.80	1.20	
24	0.20	0.37	1.35	1.35	13.20	27.25	103.00	32.68	5.90	2.10	2.50	1.05	
25	0.20	0.33	1.15	1.60	11.40	23.60	78.46	28.75	6.00	1.95	1.95	0.87	
26	0.20	0.33	1.15	2.70	8.25	20.00	56.65	26.20	5.50	2.30	1.40	0.77	
27	0.17	0.40	1.10	3.60	6.60	16.40	50.54	22.60	5.30	2.00	2.30	0.83	
28	0.17	0.43	0.97	3.20	5.80	15.40	56.98	21.40	5.20	2.10	2.30	1.10	
29	0.17	0.40	0.83	2.70	5.30	16.20	74.00	19.40	5.20	1.75	2.80	0.97	
30	0.33	0.87	0.77	2.90	4.80	31.35	64.80	17.00	5.30	1.75		0.90	
31		1.10		3.30	4.30		56.98		5.40	1.90		0.73	
TOTAL	7.48	12.76	71.12	38.98	340.55	1072.72	3253.87	2184.06	269.75	100.05	49.80	33.36	7434.50 CMSDAY
MEAN	0.25	0.41	2.37	1.26	10.99	35.76	104.96	72.80	8.70	3.23	1.72	1.08	20.31 CMS
MAX	0.33	1.10	5.90	3.60	27.50	104.50	200.00	149.80	16.20	5.20	3.30	1.90	200.00 CMS
MIN	0.17	0.27	0.77	0.33	1.95	3.90	38.51	17.00	5.00	1.75	1.05	0.67	0.17 CMS
RUNOFF	0.646	1.102	6.145	3.368	29.424	92.683	281.134	188.703	23.306	8.644	4.303	2.882	642.341 MCM

MOMENTARY PEAK 220.00 CMS, AT 5.56 M (A.D), AT 7.00 HOURS, ON OCT 13, 1983
RUNOFF YIELD 16.30 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 176.57 LITERS/SECOND/SQUARE KM

WATER YEAR 1983

SAKAE KRANG RIVER BASIN

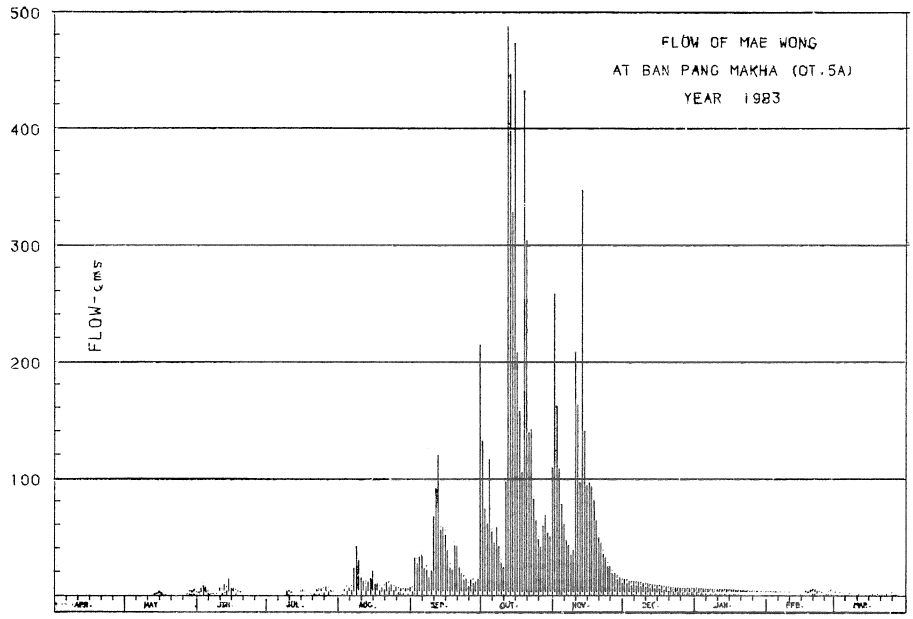
MAE WONG AT BAN PANG MAKHA, KAMPHAENG PHET (CT.5A)

LOCATION	LAT. 15°-54′-10″ N., LONG. 99°-28′-45″ E., ON LEFT BANK BEHIND WAT PANG MAKHA, AMPHOE KHANU WORALAKSABURI, KAMPHAENG PHET.
DRAINAGE AREA	938 SQ.KM.
TYPE OF GAGE	WATER-STAGE RECORDER.
ZERO GAGE AT BOTTOM	+0.00 M. (A.D.)
BENCH MARK	B.M.-H.D.
LOCATION	ON LEFT BANK ABOUT 10 METERS FROM THE STATION OFFICE.
ELEVATION	+4.20 M. (A.D.)
GAGE READING FREQUENCY	RECORDING.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 24 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1969 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1969 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1969 TO DATE.
STABILITY OF CHANNEL REGIMES	STABLE.
OVERBANK FLOW CONDITIONS	OVERBANK FLOW STARTS AT ELEVATION +4.49 M.(A.D.) AND IS INCLUDED.
GENERAL DESCRIPTION	RECORDS GOOD. STAGE-DISCHARGE RELATION DEFINED BY 135 DISCHARGE MEASUREMENTS MADE IN 1983.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.42	0.40	0.64	0.63	0.63	0.86	2.58	3.38	1.14	0.82	0.67	0.66	
2	0.42	0.40	0.82	0.57	0.74	1.49	2.02	2.81	1.13	0.81	0.67	0.65	
3	0.42	0.42	1.03	0.52	0.78	1.48	1.92	2.36	1.08	0.80	0.67	0.63	
4	0.41	0.54	0.88	0.51	0.91	1.50	2.43	2.09	1.08	0.79	0.66	0.62	
5	0.41	0.46	0.72	0.49	0.83	1.56	1.82	1.87	1.08	0.78	0.66	0.61	
6	0.41	0.49	0.60	0.48	0.92	1.34	1.67	1.74	1.07	0.78	0.65	0.61	
7	0.41	0.47	0.58	0.48	1.35	1.39	1.88	1.64	1.06	0.77	0.65	0.60	
8	0.40	0.46	0.56	0.47	1.68	1.18	1.63	1.57	1.05	0.77	0.65	0.60	
9	0.40	0.45	0.61	0.77	1.46	1.37	1.47	1.58	1.02	0.77	0.65	0.59	
10	0.40	0.44	0.83	0.73	1.26	1.95	1.36	3.11	1.02	0.76	0.64	0.58	
11	0.40	0.46	0.80	0.65	1.08	2.23	2.28	2.80	1.01	0.76	0.64	0.58	
12	0.40	0.45	0.98	0.58	1.08	2.46	4.44	2.27	0.98	0.76	0.64	0.57	
13	0.40	0.54	0.89	0.59	1.06	1.85	4.28	3.82	0.97	0.76	0.63	0.57	
14	0.40	0.58	1.15	0.67	1.25	1.84	3.73	2.65	0.95	0.76	0.63	0.57	
15	0.40	0.69	1.01	0.68	1.30	1.81	4.39	2.22	0.94	0.75	0.63	0.57	
16	0.40	0.58	0.83	0.75	1.12	1.58	3.09	2.27	0.93	0.75	0.63	0.56	
17	0.40	0.53	0.76	0.68	1.01	1.42	2.78	2.21	0.92	0.74	0.70	0.56	
18	0.40	0.51	0.70	0.63	0.91	1.32	2.33	2.12	0.90	0.73	0.66	0.55	
19	0.40	0.50	0.66	0.58	0.83	1.68	4.22	1.91	0.88	0.73	0.74	0.55	
20	0.40	0.48	0.60	0.57	0.95	1.63	3.61	1.77	0.87	0.72	0.77	0.54	
21	0.40	0.46	0.60	0.73	1.05	1.42	2.64	1.67	0.86	0.71	0.76	0.54	
22	0.40	0.44	0.58	0.76	1.06	1.26	2.64	1.58	0.84	0.70	0.68	0.54	
23	0.42	0.43	0.58	0.78	0.96	1.22	2.13	1.49	0.83	0.70	0.69	0.55	
24	0.42	0.42	0.62	0.79	0.92	1.15	1.91	1.43	0.82	0.69	0.64	0.58	
25	0.42	0.41	0.63	0.83	0.87	1.04	1.75	1.38	0.82	0.69	0.63	0.62	
26	0.42	0.42	0.58	0.87	0.83	1.12	1.62	1.31	0.81	0.69	0.73	0.57	
27	0.41	0.57	0.56	0.84	0.80	1.14	1.89	1.26	0.81	0.68	0.68	0.56	
28	0.42	0.70	0.53	0.74	0.79	1.06	1.96	1.22	0.81	0.68	0.74	0.57	
29	0.40	0.71	0.51	0.68	0.80	1.23	1.82	1.18	0.81	0.68	0.68	0.56	
30	0.40	0.76	0.58	0.67	0.77	3.13	1.74	1.14	0.81	0.68		0.56	
31		0.68		0.63	0.85		2.39		0.82	0.67		0.58	
MEAN	0.41	0.51	0.71	0.66	1.00	1.52	2.47	2.00	0.94	0.74	0.67	0.58	
MAX	0.42	0.76	1.15	0.87	1.68	3.13	4.44	3.82	1.14	0.82	0.77	0.66	4.44
MIN	0.40	0.40	0.51	0.47	0.63	0.86	1.36	1.14	0.81	0.67	0.63	0.54	0.40

ANNUAL MAX MOMENTARY GAGE HEIGHT 4.55 M (A.D), AT 9.00 HOURS, ON OCT 13, 1983
ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D), RIVER BED 0.29 M (A.D)
LEFT BANK ELEVATION 5.49 M (A.D)
RIGHT BANK ELEVATION 4.48 M (A.D), DRAINAGE AREA 938 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.30	0.15	2.80	2.60	2.60	7.20	134.60	258.40	14.08	6.40	3.40	3.20	
2	0.30	0.15	6.40	1.67	4.80	32.30	74.00	164.50	13.76	6.20	3.40	3.00	
3	0.30	0.30	10.84	1.12	5.60	31.60	64.80	108.60	12.24	6.00	3.40	2.60	
4	0.22	1.34	7.60	1.01	8.20	33.00	116.60	81.00	12.24	5.80	3.20	2.40	
5	0.22	0.60	4.40	0.83	6.60	37.20	56.60	60.60	12.24	5.60	3.20	2.20	
6	0.22	0.83	2.00	0.75	8.40	23.00	44.90	50.20	11.96	5.60	3.00	2.20	
7	0.22	0.68	1.78	0.75	23.50	25.50	61.40	42.80	11.68	5.40	3.00	2.00	
8	0.15	0.60	1.56	0.68	45.60	15.36	42.10	37.90	11.40	5.40	3.00	2.00	
9	0.15	0.52	2.20	5.40	30.20	24.50	30.90	38.60	10.56	5.40	3.00	1.89	
10	0.15	0.45	6.60	4.60	19.00	67.50	24.00	211.15	10.56	5.20	2.80	1.78	
11	0.15	0.60	6.00	3.00	12.24	95.00	100.00	163.00	10.28	5.20	2.80	1.78	
12	0.15	0.52	9.60	1.78	12.24	120.20	487.60	99.00	9.60	5.20	2.80	1.67	
13	0.15	1.34	7.80	1.89	11.68	59.00	449.20	347.20	9.40	5.20	2.60	1.67	
14	0.15	1.78	14.40	3.40	18.50	58.20	328.30	143.50	9.00	5.20	2.60	1.67	
15	0.15	3.80	10.28	3.60	21.00	55.80	475.60	94.00	8.80	5.00	2.60	1.67	
16	0.15	1.78	6.60	5.00	13.44	38.60	207.85	99.00	8.60	5.00	2.60	1.56	
17	0.15	1.23	5.20	3.60	10.28	27.40	160.40	93.00	8.40	4.80	4.00	1.56	
18	0.15	1.01	4.00	2.60	8.20	22.00	105.30	84.00	8.00	4.60	3.20	1.45	
19	0.15	0.90	3.20	1.78	6.60	45.60	434.80	63.90	7.60	4.60	4.80	1.45	
20	0.15	0.75	2.00	1.67	9.00	42.10	304.00	52.60	7.40	4.40	5.40	1.34	
21	0.15	0.60	2.00	4.60	11.40	27.40	142.20	44.90	7.20	4.20	5.20	1.34	
22	0.15	0.45	1.78	5.20	11.68	19.00	142.20	38.60	6.80	4.00	3.60	1.34	
23	0.30	0.38	1.78	5.60	9.20	17.00	85.00	32.30	6.60	4.00	3.80	1.45	
24	0.30	0.30	2.40	5.80	8.40	14.40	63.90	28.10	6.40	3.80	2.80	1.78	
25	0.30	0.22	2.60	6.60	7.40	11.12	51.00	25.00	6.40	3.80	2.60	2.40	
26	0.30	0.30	1.78	7.40	6.60	13.44	41.40	21.50	6.20	3.80	4.60	1.67	
27	0.22	1.67	1.56	6.80	6.00	14.08	62.20	19.00	6.20	3.60	3.60	1.56	
28	0.30	4.00	1.23	4.80	5.80	11.68	68.40	17.00	6.20	3.60	4.80	1.67	
29	0.15	4.20	1.01	3.60	6.00	17.50	56.60	15.36	6.20	3.60	3.60	1.56	
30	0.15	5.20	1.78	3.40	5.40	214.45	50.20	14.08	6.20	3.60		1.56	
31		3.60		2.60	7.00		111.90		6.40	3.40		1.78	
TOTAL	6.05	40.25	133.18	104.13	362.56	1221.13	4577.95	2548.79	278.60	147.60	99.40	57.20	9576.84 CMSDAY
MEAN	0.20	1.30	4.44	3.36	11.70	40.70	147.68	84.96	8.99	4.76	3.43	1.85	26.17 CMS
MAX	0.30	5.20	14.40	7.40	45.60	214.45	487.60	347.20	14.08	6.40	5.40	3.20	487.60 CMS
MIN	0.15	0.15	1.01	0.68	2.60	7.20	24.00	14.08	6.20	3.40	2.60	1.34	0.15 CMS
RUNOFF	0.523	3.478	11.507	8.997	31.325	105.506	395.535	220.215	24.071	12.753	8.588	4.942	827.439 MCM

MOMENTARY PEAK 514.00 CMS, AT 4.55 M (A.D), AT 9.00 HOURS, ON OCT 13, 1983
RUNOFF YIELD 27.90 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 547.97 LITERS/SECOND/SQUARE KM

WATER YEAR 1983

SAKAE KRANG RIVER BASIN

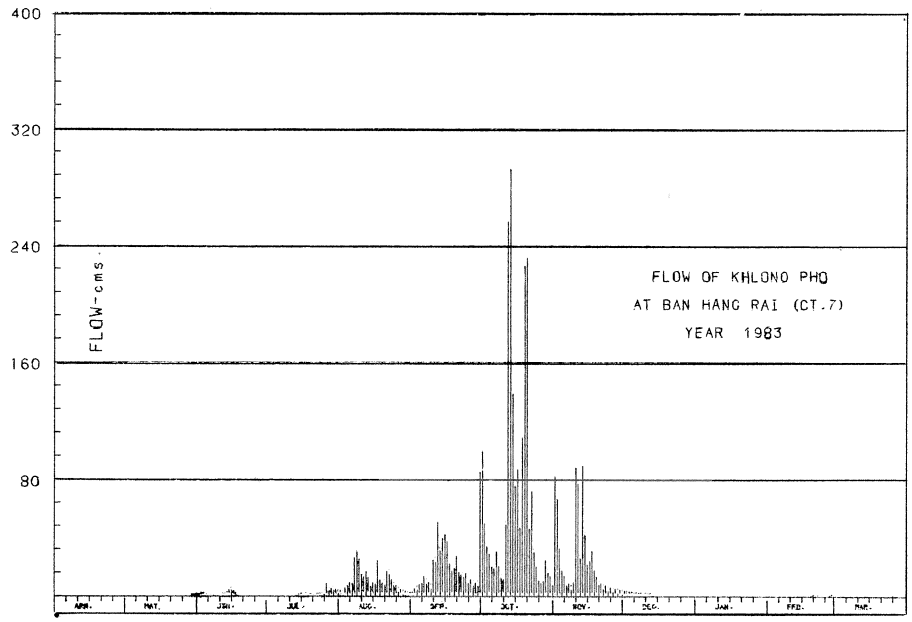
KHLONG PHO AT BAN HANG RAI, NAKHON SAWAN (CT.7)

LOCATION	LAT. 15°-38'-23" N., LONG. 99°-32'-20" E., ON RIGHT BANK NEAR THE GAGE OBSERVER'S HOUSE, BAN HANG RAI, AMPHOE LAT YAO, NAKHON SAWAN.
DRAINAGE AREA	457 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM	+0.00 M. (A.D.)
BENCH MARK	B.M.-H.D.
LOCATION	INFRONT OF GAGE OBSERVER'S HOUSE.
ELEVATION	+4.660 M. (A.D.)
GAGE READING FREQUENCY	5-TIME DAILY READINGS AT 06.00, 09.00, 12.00, 15.00 AND 18.00 HOURS.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 5 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1975 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1975 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1975 TO DATE.
STABILITY OF CHANNEL REGIMES	STABLE.
OVERBANK FLOW CONDITIONS	OVERBANK FLOW STARTS AT ELEVATION +4.38 M.(A.D.) AND IS INCLUDED.
GENERAL DESCRIPTION	RECORDS GOOD.. FLOW WAS EFFECTED BY THE CONSTRUCTION OF DAM UPSTREAM. STAGE-DISCHARGE RELATION DEFINED BY 144DISCHARGE MEASUREMENTS MADE IN 1983

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.48	0.48	0.80	0.66	0.98	0.90	2.81	2.58	0.96	0.80	0.69	0.69	
2	0.48	0.48	0.89	0.65	0.95	1.03	2.13	2.41	0.95	0.79	0.68	0.67	
3	0.48	0.48	0.87	0.65	1.05	1.11	1.90	1.82	0.93	0.77	0.68	0.66	
4	0.48	0.66	0.80	0.65	1.22	1.16	1.75	1.54	0.92	0.77	0.68	0.65	
5	0.48	0.64	0.80	0.64	1.22	1.31	1.61	1.37	0.90	0.76	0.68	0.64	
6	0.48	0.61	0.77	0.63	1.31	1.36	1.51	1.24	0.89	0.76	0.67	0.63	
7	0.48	0.59	0.74	0.63	1.70	1.31	1.83	1.19	0.88	0.75	0.67	0.63	
8	0.48	0.58	0.72	0.62	1.83	1.22	1.55	1.14	0.87	0.75	0.66	0.62	
9	0.48	0.48	0.71	0.61	1.68	1.17	1.39	1.22	0.87	0.75	0.66	0.62	
10	0.48	0.48	0.78	0.61	1.48	1.66	1.30	2.68	0.86	0.74	0.66	0.61	
11	0.48	0.48	0.83	0.61	1.35	1.70	2.15	2.52	0.85	0.74	0.65	0.60	
12	0.48	0.48	0.85	0.61	1.53	2.15	4.14	1.73	0.84	0.74	0.65	0.60	
13	0.48	0.48	0.90	0.71	1.34	1.84	4.41	2.67	0.83	0.74	0.65	0.60	
14	0.48	0.48	1.00	0.79	1.23	1.96	3.18	2.03	0.83	0.73	0.65	0.60	
15	0.48	0.48	1.06	0.81	1.21	2.05	2.52	1.58	0.82	0.73	0.64	0.60	
16	0.48	0.48	0.96	0.80	1.29	1.92	2.64	1.70	0.82	0.73	0.64	0.59	
17	0.48	0.48	0.89	0.85	1.65	1.65	2.11	1.79	0.81	0.73	0.64	0.59	
18	0.48	0.48	0.85	0.82	1.37	1.47	2.89	1.54	0.80	0.72	0.64	0.59	
19	0.48	0.48	0.82	0.79	1.20	1.58	3.93	1.35	0.80	0.72	0.70	0.59	
20	0.48	0.48	0.81	0.76	1.28	1.72	3.96	1.26	0.80	0.71	0.74	0.59	
21	0.48	0.48	0.77	0.74	1.46	1.51	2.09	1.20	0.79	0.71	0.73	0.58	
22	0.48	0.48	0.75	0.83	1.49	1.39	2.45	1.16	0.79	0.71	0.70	0.58	
23	0.48	0.48	0.73	0.83	1.30	1.44	1.81	1.13	0.78	0.70	0.68	0.58	
24	0.48	0.48	0.71	0.83	1.21	1.42	1.54	1.10	0.78	0.70	0.66	0.61	
25	0.48	0.48	0.71	0.97	1.14	1.30	1.34	1.07	0.78	0.70	0.66	0.66	
26	0.48	0.48	0.70	1.19	1.07	1.30	1.19	1.05	0.77	0.70	0.66	0.63	
27	0.48	0.48	0.69	1.06	1.01	1.26	1.34	1.03	0.77	0.70	0.70	0.61	
28	0.48	0.63	0.69	1.04	0.97	1.20	1.65	1.02	0.77	0.69	0.74	0.61	
29	0.48	0.79	0.68	1.09	0.95	1.25	1.50	1.00	0.76	0.69	0.71	0.60	
30	0.48	0.77	0.67	1.01	0.91	2.62	1.36	0.98	0.76	0.69		0.59	
31		0.83		0.98	0.90		1.25		0.79	0.69		0.59	
MEAN	0.48	0.54	0.80	0.79	1.27	1.50	2.17	1.54	0.83	0.73	0.67	0.61	
MAX	0.48	0.83	1.06	1.19	1.83	2.62	4.41	2.68	0.96	0.80	0.74	0.69	4.41
MIN	0.48	0.48	0.67	0.61	0.90	0.90	1.19	0.98	0.76	0.69	0.64	0.58	0.48

ANNUAL MAX MOMENTARY GAGE HEIGHT 5.40 M (A.D), AT 2.00 HOURS, ON OCT 20, 1983
ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D), RIVER BED 0.37 M (A.D)
LEFT BANK ELEVATION 4.37 M (A.D)
RIGHT BANK ELEVATION 4.48 M (A.D), DRAINAGE AREA 457 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.00	0.00	2.00	0.56	4.62	3.10	101.90	82.40	4.24	2.00	0.81	0.81	
2	0.00	0.00	2.99	0.47	4.05	5.60	50.30	69.25	4.05	1.89	0.73	0.64	
3	0.00	0.00	2.77	0.47	6.00	7.25	37.00	33.00	3.67	1.67	0.73	0.56	
4	0.00	0.56	2.00	0.47	10.00	8.50	29.50	20.60	3.48	1.67	0.73	0.47	
5	0.00	0.38	2.00	0.38	10.00	12.35	23.40	14.45	3.10	1.56	0.73	0.38	
6	0.00	0.13	1.67	0.30	12.35	14.10	19.40	10.50	2.99	1.56	0.64	0.30	
7	0.00	0.04	1.34	0.30	27.00	12.35	33.50	9.25	2.88	1.45	0.64	0.30	
8	0.00	0.03	1.12	0.21	33.50	10.00	21.00	8.00	2.77	1.45	0.56	0.21	
9	0.00	0.00	1.01	0.13	26.20	8.75	15.15	10.00	2.77	1.45	0.56	0.21	
10	0.00	0.00	1.78	0.13	18.30	25.40	12.00	90.40	2.66	1.34	0.56	0.13	
11	0.00	0.00	2.33	0.13	13.75	27.00	51.50	77.60	2.55	1.34	0.47	0.04	
12	0.00	0.00	2.55	0.13	20.20	51.50	256.60	28.50	2.44	1.34	0.47	0.04	
13	0.00	0.00	3.10	1.01	13.40	34.00	294.40	89.60	2.33	1.34	0.47	0.04	
14	0.00	0.00	5.00	1.89	10.25	40.30	138.80	44.30	2.33	1.23	0.47	0.04	
15	0.00	0.00	6.20	2.11	9.75	45.50	77.60	22.20	2.22	1.23	0.38	0.04	
16	0.00	0.00	4.24	2.00	11.75	38.10	87.20	27.00	2.22	1.23	0.38	0.04	
17	0.00	0.00	2.99	2.55	25.00	25.00	49.10	31.50	2.11	1.23	0.38	0.04	
18	0.00	0.00	2.55	2.22	14.45	17.95	109.10	20.60	2.00	1.12	0.38	0.04	
19	0.00	0.00	2.22	1.89	9.50	22.20	227.90	13.75	2.00	1.12	0.90	0.04	
20	0.00	0.00	2.11	1.56	11.50	28.00	231.80	11.00	2.00	1.01	1.34	0.04	
21	0.00	0.00	1.67	1.34	17.60	19.40	47.90	9.50	1.89	1.01	1.23	0.03	
22	0.00	0.00	1.45	2.33	18.65	15.15	72.25	8.50	1.89	1.01	0.90	0.03	
23	0.00	0.00	1.23	2.33	12.00	16.90	32.50	7.75	1.78	0.90	0.73	0.03	
24	0.00	0.00	1.01	2.33	9.75	16.20	20.60	7.00	1.78	0.90	0.56	0.13	
25	0.00	0.00	1.01	4.43	8.00	12.00	13.40	6.40	1.78	0.90	0.56	0.56	
26	0.00	0.00	0.90	9.25	6.40	12.00	9.25	6.00	1.67	0.90	0.56	0.30	
27	0.00	0.00	0.81	6.20	5.20	11.00	13.40	5.60	1.67	0.90	0.90	0.13	
28	0.00	0.30	0.81	5.80	4.43	9.50	25.00	5.40	1.67	0.81	1.34	0.13	
29	0.00	1.89	0.73	6.80	4.05	10.75	19.00	5.00	1.56	0.81	1.01	0.04	
30	0.00	1.67	0.64	5.20	3.29	85.60	14.10	4.62	1.56	0.81		0.04	
31		2.33		4.62	3.10		10.75		1.89	0.81		0.04	
TOTAL	0.00	7.33	62.23	69.54	384.04	645.45	2145.30	779.67	73.95	37.99	20.12	5.87	4231.49 CMSDAY
MEAN	0.00	0.24	2.07	2.24	12.39	21.52	69.20	25.99	2.39	1.23	0.69	0.19	11.56 CMS
MAX	0.00	2.33	6.20	9.25	33.50	85.60	294.40	90.40	4.24	2.00	1.34	0.81	294.40 CMS
MIN	0.00	0.00	0.64	0.13	3.10	3.10	9.25	4.62	1.56	0.81	0.38	0.03	0.00 CMS
RUNOFF	0.000	0.633	5.377	6.008	33.181	55.767	185.354	67.363	6.389	3.282	1.738	0.507	365.601 MCM

MOMENTARY PEAK 442.00 CMS, AT 5.40 M (A.D), AT 2.00 HOURS, ON OCT 20, 1983
RUNOFF YIELD 25.30 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 967.18 LITERS/SECOND/SQUARE KM

WATER YEAR 1983

SAKAE KRANG RIVER BASIN

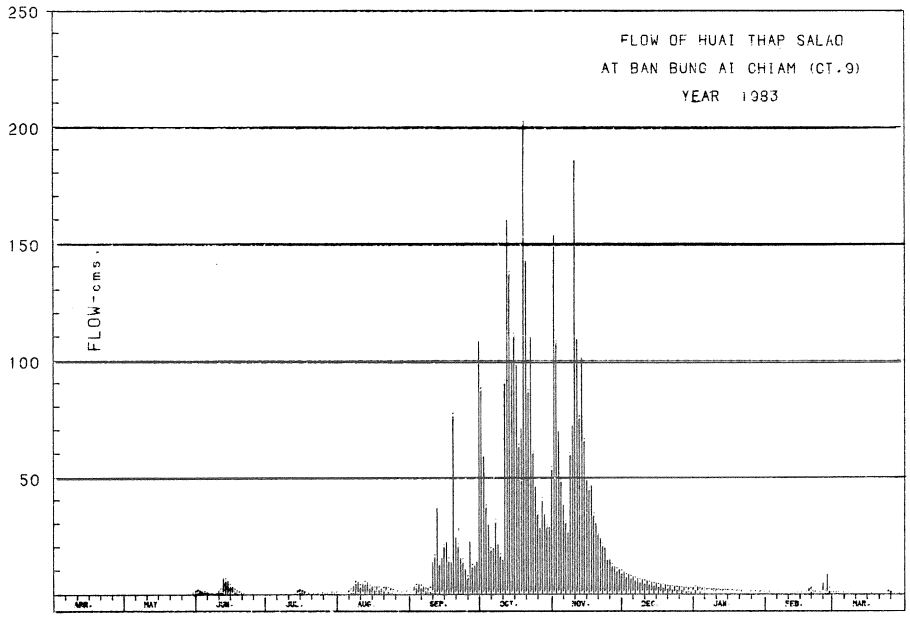
HUAI THAP SALAO AT BAN BUNG AI CHIAM, UTHAI THANI (CT.9)

LOCATION	LAT. 15°-31'-38" N., LONG. 99°-28'-10" E., ON LEFT BANK ABOUT 9 KILOMETERS UPSTREAM FROM CT.6, BAN BUNG AI CHIAM, KING AMPHOE LAN SAK, UTHAI THANI.
DRAINAGE AREA	522 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM	+0.00 M. (A.D.)
BENCH MARK	B.M.-H.D.
LOCATION	NEAR THE GAGE OBSERVER'S HOUSE.
ELEVATION	+4.611 M. (A.D.)
GAGE READING FREQUENCY	5-TIME DAILY READINGS AT 06.00, 09.00, 12.00, 15.00 AND 18.00 HOURS
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 5 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1977 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1977 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1977 TO DATE.
STABILITY OF CHANNEL REGIMES	RATHER UNSTABLE.
OVERBANK FLOW CONDITIONS	OVERBANK FLOW STARTS AT ELEVATION +3.69 M.(A.D.) AND IS INCLUDED.
GENERAL DESCRIPTION	RECORDS GOOD. STAGE-DISCHARGE RELATION DEFINED BY 169 DISCHARGE MEASUREMENTS MADE IN 1983.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.46	0.46	0.83	0.62	0.71	0.75	3.44	4.14	1.60	1.33	1.15	1.16	
2	0.46	0.46	0.78	0.62	0.70	0.95	2.98	3.69	1.57	1.31	1.15	1.15	
3	0.46	0.46	0.72	0.60	0.70	1.04	2.49	3.16	1.56	1.29	1.15	1.14	
4	0.46	0.46	0.77	0.60	0.73	1.05	2.22	2.78	1.54	1.28	1.15	1.13	
5	0.46	0.46	0.72	0.59	0.78	1.02	1.88	2.49	1.52	1.27	1.15	1.12	
6	0.46	0.46	0.67	0.57	0.87	0.95	1.86	2.28	1.51	1.26	1.14	1.11	
7	0.46	0.46	0.65	0.56	0.98	0.91	2.30	2.11	1.49	1.26	1.13	1.11	
8	0.46	0.46	0.63	0.56	1.16	0.90	1.93	3.01	1.48	1.25	1.13	1.10	
9	0.46	0.47	0.67	0.56	1.13	0.94	1.76	3.20	1.47	1.25	1.13	1.09	
10	0.46	0.49	0.78	0.55	1.03	1.58	1.63	4.42	1.46	1.24	1.13	1.09	
11	0.46	0.50	0.88	0.57	1.07	1.74	3.48	3.70	1.45	1.24	1.13	1.08	
12	0.46	0.51	1.25	0.57	1.15	2.45	4.20	3.27	1.44	1.23	1.13	1.08	
13	0.46	0.51	1.24	0.62	1.12	1.60	4.00	3.60	1.43	1.23	1.13	1.08	
14	0.46	0.51	1.17	0.79	1.01	1.67	3.58	3.11	1.42	1.23	1.13	1.07	
15	0.46	0.51	1.05	0.84	0.97	1.93	3.73	2.77	1.41	1.23	1.13	1.07	
16	0.46	0.51	0.96	0.81	0.95	1.97	3.56	2.70	1.40	1.22	1.12	1.07	
17	0.46	0.51	0.88	0.76	0.98	1.68	3.07	2.72	1.39	1.22	1.13	1.07	
18	0.47	0.50	0.81	0.71	0.95	1.58	3.18	2.39	1.38	1.21	1.16	1.06	
19	0.47	0.50	0.76	0.70	0.87	3.29	4.54	2.24	1.37	1.21	1.26	1.06	
20	0.47	0.49	0.73	0.69	0.94	2.04	4.04	2.12	1.35	1.20	1.29	1.05	
21	0.46	0.48	0.69	0.69	0.96	1.94	3.43	2.03	1.35	1.19	1.20	1.05	
22	0.46	0.48	0.67	0.70	0.93	1.67	3.71	1.95	1.34	1.18	1.16	1.08	
23	0.46	0.48	0.65	0.70	0.90	1.66	3.02	1.87	1.33	1.18	1.14	1.06	
24	0.45	0.47	0.64	0.72	0.85	1.43	2.71	1.81	1.32	1.18	1.13	1.20	
25	0.44	0.47	0.65	0.72	0.82	1.30	2.41	1.78	1.32	1.19	1.41	1.12	
26	0.45	0.49	0.64	0.71	0.79	1.99	2.17	1.73	1.31	1.18	1.21	1.09	
27	0.46	0.54	0.63	0.71	0.77	1.54	2.58	1.69	1.30	1.18	1.56	1.07	
28	0.46	0.56	0.63	0.73	0.78	1.51	2.37	1.67	1.29	1.17	1.29	1.06	
29	0.46	0.63	0.62	0.75	0.81	1.67	2.22	1.64	1.29	1.16	1.19	1.05	
30	0.46	0.72	0.62	0.74	0.78	3.69	2.19	1.63	1.29	1.15		1.05	
31		0.77		0.73	0.75		2.89		1.30	1.15		1.06	
MEAN	0.46	0.51	0.78	0.67	0.90	1.61	2.89	2.59	1.41	1.22	1.18	1.09	
MAX	0.47	0.77	1.25	0.84	1.16	3.69	4.54	4.42	1.60	1.33	1.56	1.20	4.54
MIN	0.44	0.46	0.62	0.55	0.70	0.75	1.63	1.63	1.29	1.15	1.12	1.05	0.44

ANNUAL MAX MOMENTARY GAGE HEIGHT 4.73 M (A.D), AT 20.00 HOURS, ON OCT 19, 1983
ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D), RIVER BED 0.39 M (A.D)
LEFT BANK ELEVATION 3.68 M (A.D)
RIGHT BANK ELEVATION 3.92 M (A.D), DRAINAGE AREA 522 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.03	0.03	1.93	0.38	0.79	1.15	88.20	153.40	9.50	3.45	1.15	1.22	
2	0.03	0.03	1.42	0.38	0.70	3.25	59.00	108.20	8.75	3.15	1.15	1.15	
3	0.03	0.03	0.88	0.30	0.70	4.28	38.15	69.60	8.50	2.85	1.15	1.08	
4	0.03	0.03	1.33	0.30	0.97	4.40	29.60	49.10	8.00	2.70	1.15	1.01	
5	0.03	0.03	0.88	0.27	1.42	4.04	20.04	38.15	7.50	2.55	1.15	0.94	
6	0.03	0.03	0.58	0.22	2.37	3.25	19.58	31.40	7.25	2.40	1.08	0.87	
7	0.03	0.03	0.50	0.20	3.58	2.81	32.00	26.30	6.75	2.40	1.01	0.87	
8	0.03	0.03	0.42	0.20	5.72	2.70	21.25	60.60	6.50	2.25	1.01	0.80	
9	0.03	0.04	0.58	0.20	5.36	3.14	17.32	72.00	6.25	2.25	1.01	0.73	
10	0.03	0.05	1.42	0.18	4.16	13.60	14.60	186.60	6.00	2.10	1.01	0.73	
11	0.03	0.05	2.48	0.22	4.64	16.88	91.40	109.00	5.75	2.10	1.01	0.66	
12	0.03	0.07	7.10	0.22	5.60	36.75	160.00	76.20	5.50	1.95	1.01	0.66	
13	0.03	0.07	6.92	0.38	5.24	14.00	138.00	101.00	5.25	1.95	1.01	0.66	
14	0.03	0.07	5.84	1.51	3.92	15.40	99.40	66.60	5.00	1.95	1.01	0.59	
15	0.03	0.07	4.40	2.04	3.47	21.25	111.55	48.65	4.75	1.95	1.01	0.59	
16	0.03	0.07	3.36	1.71	3.25	22.25	97.80	45.50	4.50	1.80	0.94	0.59	
17	0.03	0.07	2.48	1.24	3.58	15.60	64.20	46.40	4.35	1.80	1.01	0.59	
18	0.04	0.05	1.71	0.79	3.25	13.60	70.80	34.70	4.20	1.65	1.22	0.52	
19	0.04	0.05	1.24	0.70	2.37	77.40	202.20	30.20	4.05	1.65	2.40	0.52	
20	0.04	0.05	0.97	0.66	3.14	24.20	142.40	26.60	3.75	1.50	2.85	0.45	
21	0.03	0.04	0.66	0.66	3.36	21.50	87.40	23.90	3.75	1.43	1.50	0.45	
22	0.03	0.04	0.58	0.70	3.03	15.40	109.85	21.75	3.60	1.36	1.22	0.66	
23	0.03	0.04	0.50	0.70	2.70	15.20	61.20	19.81	3.45	1.36	1.08	0.52	
24	0.02	0.04	0.46	0.88	2.15	10.60	45.95	15.85	3.30	1.36	1.01	1.50	
25	0.02	0.04	0.50	0.88	1.82	8.00	35.35	14.80	3.30	1.43	4.75	0.94	
26	0.02	0.05	0.46	0.79	1.51	22.75	28.10	13.05	3.15	1.36	1.65	0.73	
27	0.03	0.15	0.42	0.79	1.33	12.80	41.30	11.75	3.00	1.36	8.50	0.59	
28	0.03	0.20	0.42	0.97	1.42	12.20	34.10	11.25	2.85	1.29	2.85	0.52	
29	0.03	0.42	0.38	1.15	1.71	15.40	29.60	10.50	2.85	1.22	1.43	0.45	
30	0.03	0.88	0.38	1.06	1.42	108.20	28.70	10.25	2.85	1.15		0.45	
31		1.33		0.97	1.15		54.50		3.00	1.15		0.52	
TOTAL	0.90	4.18	51.20	21.65	85.83	542.00	2073.54	1533.11	157.20	58.87	48.33	22.56	4599.37 CMSDAY
MEAN	0.03	0.13	1.71	0.70	2.77	18.07	66.89	51.10	5.07	1.90	1.67	0.73	12.57 CMS
MAX	0.04	1.33	7.10	2.04	5.72	108.20	202.20	186.60	9.50	3.45	8.50	1.50	202.20 CMS
MIN	0.02	0.03	0.38	0.18	0.70	1.15	14.60	10.25	2.85	1.15	0.94	0.45	0.02 CMS
RUNOFF	0.078	0.361	4.424	1.871	7.416	46.829	179.154	132.461	13.582	5.086	4.176	1.949	397.386 MCM

MOMENTARY PEAK 227.20 CMS, AT 4.73 M (A.D), AT 20.00 HOURS, ON OCT 19, 1983

RUNOFF YIELD 24.07 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 435.25 LITERS/SECOND/SQUARE KM

WATER YEAR 1983

PASAK RIVER BASIN

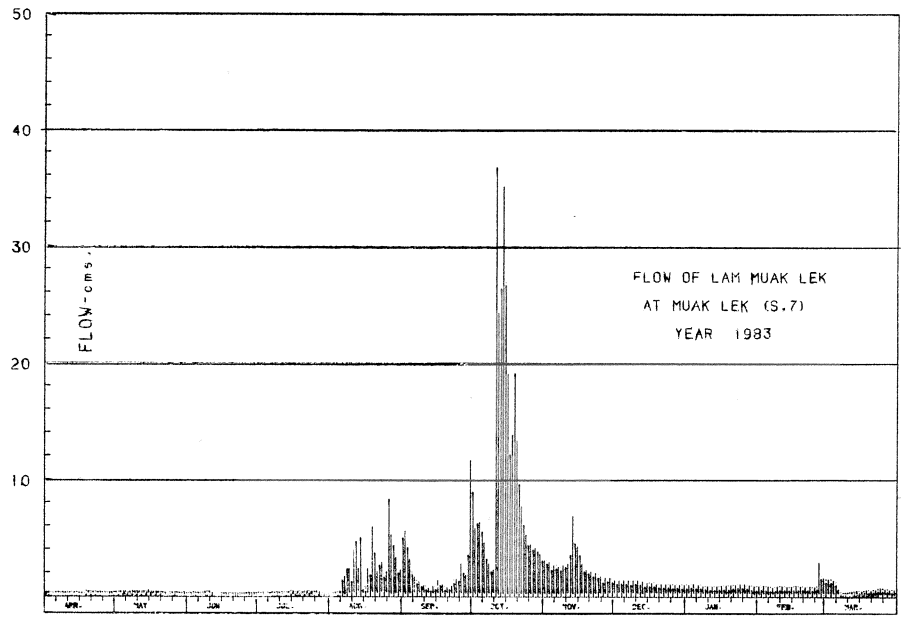
LAM MUAK LEK AT MUAK LEK, SARABURI (S.7)

LOCATION	LAT. 14°-38'-04" N., LONG. 101°-12'-37" E., ON LEFT BANK ABOUT 50 METERS UPSTREAM FROM THE BRIDGE OF SARABURI - NAKHON RATCHASIMA HIGHWAY, TAMBON MUAK LEK, AMPHOE MUAK LEK, SARABURI.
DRAINAGE AREA	177 SQ.KM.
TYPE OF GAGE	WATER-STAGE RECORDER.
ZERO GAGE AT BOTTOM	+0.00 M. (A.D.)
BENCH MARK	B.M.-H.D.
LOCATION	NEAR AUTOMATIC GAGE BUILDING.
ELEVATION	+6.919 M. (A.D.)
GAGE READING FREQUENCY	RECORDING.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 24 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1965 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1965 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1965 TO DATE.
STABILITY OF CHANNEL REGIMES	STABLE
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS FAIR. STAGE-DISCHARGE RELATION DEFINED BY 23 DISCHARGE MEASUREMENTS MADE IN 1983.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.37	0.38	0.35	0.35	0.34	0.81	1.01	0.67	0.53	0.49	0.47	0.54	
2	0.37	0.38	0.35	0.35	0.34	0.83	0.84	0.67	0.53	0.49	0.48	0.54	
3	0.36	0.40	0.36	0.35	0.36	0.76	0.88	0.66	0.53	0.50	0.48	0.54	
4	0.35	0.40	0.36	0.35	0.37	0.68	0.87	0.63	0.53	0.50	0.47	0.53	
5	0.36	0.40	0.35	0.35	0.39	0.60	0.84	0.64	0.53	0.49	0.47	0.52	
6	0.36	0.38	0.35	0.35	0.55	0.56	0.77	0.64	0.53	0.49	0.46	0.43	
7	0.36	0.38	0.35	0.36	0.56	0.53	0.70	0.63	0.53	0.49	0.45	0.38	
8	0.36	0.40	0.38	0.36	0.63	0.52	0.65	0.63	0.52	0.47	0.46	0.36	
9	0.36	0.39	0.39	0.36	0.62	0.51	0.62	0.64	0.53	0.47	0.47	0.36	
10	0.36	0.39	0.39	0.36	0.54	0.48	0.61	0.65	0.53	0.47	0.47	0.37	
11	0.36	0.39	0.37	0.37	0.73	0.47	2.03	0.65	0.53	0.47	0.47	0.38	
12	0.36	0.39	0.34	0.37	0.79	0.44	1.60	0.72	0.53	0.47	0.47	0.40	
13	0.36	0.40	0.34	0.37	0.62	0.45	1.68	0.90	0.52	0.47	0.46	0.40	
14	0.36	0.40	0.34	0.38	0.81	0.47	1.97	0.78	0.51	0.47	0.46	0.41	
15	0.35	0.41	0.34	0.40	0.42	0.47	1.69	0.75	0.51	0.47	0.47	0.41	
16	0.34	0.41	0.33	0.40	0.46	0.53	1.41	0.72	0.51	0.48	0.47	0.40	
17	0.34	0.38	0.33	0.39	0.62	0.52	1.15	0.65	0.51	0.48	0.48	0.41	
18	0.39	0.38	0.33	0.39	0.60	0.49	1.21	0.62	0.51	0.48	0.47	0.42	
19	0.40	0.38	0.33	0.40	0.85	0.46	1.42	0.61	0.50	0.48	0.47	0.42	
20	0.39	0.38	0.33	0.38	0.73	0.45	1.19	0.61	0.50	0.49	0.47	0.41	
21	0.38	0.37	0.33	0.39	0.60	0.47	1.04	0.60	0.50	0.49	0.46	0.42	
22	0.38	0.35	0.33	0.40	0.66	0.47	0.94	0.59	0.50	0.49	0.46	0.42	
23	0.37	0.35	0.33	0.41	0.66	0.53	0.87	0.59	0.50	0.50	0.47	0.44	
24	0.37	0.36	0.33	0.39	0.58	0.54	0.81	0.58	0.50	0.50	0.46	0.45	
25	0.36	0.36	0.33	0.38	0.60	0.55	0.77	0.56	0.50	0.50	0.46	0.44	
26	0.36	0.37	0.35	0.40	0.98	0.65	0.76	0.54	0.49	0.50	0.47	0.43	
27	0.36	0.37	0.35	0.39	0.81	0.61	0.75	0.55	0.49	0.49	0.66	0.43	
28	0.36	0.35	0.35	0.35	0.77	0.57	0.74	0.55	0.50	0.49	0.57	0.42	
29	0.37	0.35	0.35	0.33	0.69	0.72	0.74	0.55	0.49	0.48	0.55	0.42	
30	0.37	0.36	0.35	0.33	0.61	1.12	0.71	0.54	0.49	0.47		0.42	
31		0.35		0.33	0.61		0.69		0.49	0.47		0.43	
MEAN	0.36	0.38	0.35	0.37	0.61	0.58	1.03	0.64	0.51	0.48	0.48	0.43	
MAX	0.40	0.41	0.39	0.41	0.98	1.12	2.03	0.90	0.53	0.50	0.66	0.54	2.03
MIN	0.34	0.35	0.33	0.33	0.34	0.44	0.61	0.54	0.49	0.47	0.45	0.36	0.33

ANNUAL MAX MOMENTARY GAGE HEIGHT 2.92 M (A.D), AT 16.00 HOURS, ON OCT 11, 1983
ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D), RIVER BED -0.64 M (A.D)
LEFT BANK ELEVATION 7.70 M (A.D)
RIGHT BANK ELEVATION 7.66 M (A.D), DRAINAGE AREA 177 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.41	0.44	0.34	0.34	0.31	5.30	9.22	3.10	1.41	1.04	0.92	1.52	
2	0.41	0.44	0.34	0.34	0.31	5.65	5.83	3.10	1.41	1.04	0.98	1.52	
3	0.38	0.50	0.38	0.34	0.38	4.47	6.54	2.96	1.41	1.10	0.98	1.52	
4	0.34	0.50	0.38	0.34	0.41	3.23	6.37	2.55	1.41	1.10	0.92	1.41	
5	0.38	0.50	0.34	0.34	0.47	2.15	5.83	2.69	1.41	1.04	0.92	1.31	
6	0.38	0.44	0.34	0.34	1.63	1.73	4.63	2.69	1.41	1.04	0.86	0.68	
7	0.38	0.44	0.34	0.38	1.73	1.41	3.50	2.55	1.41	1.04	0.80	0.44	
8	0.38	0.50	0.44	0.38	2.55	1.31	2.82	2.55	1.31	0.92	0.86	0.38	
9	0.38	0.47	0.47	0.38	2.42	1.20	2.42	2.69	1.41	0.92	0.92	0.38	
10	0.38	0.47	0.47	0.38	1.52	0.98	2.29	2.82	1.41	0.92	0.92	0.41	
11	0.38	0.47	0.41	0.41	3.99	0.92	36.97	2.82	1.41	0.92	0.92	0.44	
12	0.38	0.47	0.31	0.41	4.96	0.74	24.30	3.82	1.41	0.92	0.92	0.50	
13	0.38	0.50	0.31	0.41	2.42	0.80	26.62	6.90	1.31	0.92	0.86	0.50	
14	0.38	0.50	0.31	0.44	5.30	0.92	35.14	4.80	1.20	0.92	0.86	0.56	
15	0.34	0.56	0.31	0.50	0.62	0.92	26.91	4.31	1.20	0.92	0.92	0.56	
16	0.31	0.56	0.28	0.50	0.86	1.41	19.07	3.82	1.20	0.98	0.92	0.50	
17	0.31	0.44	0.28	0.47	2.42	1.31	12.40	2.82	1.20	0.98	0.98	0.56	
18	0.47	0.44	0.28	0.47	2.15	1.04	13.86	2.42	1.20	0.98	0.92	0.62	
19	0.50	0.44	0.28	0.50	6.01	0.86	19.34	2.29	1.10	0.98	0.92	0.62	
20	0.47	0.44	0.28	0.44	3.99	0.80	13.36	2.29	1.10	1.04	0.92	0.56	
21	0.44	0.41	0.28	0.47	2.15	0.92	9.88	2.15	1.10	1.04	0.86	0.62	
22	0.44	0.34	0.28	0.50	2.96	0.92	7.74	2.04	1.10	1.04	0.86	0.62	
23	0.41	0.34	0.28	0.56	2.96	1.41	6.37	2.04	1.10	1.10	0.92	0.74	
24	0.41	0.38	0.28	0.47	1.94	1.52	5.30	1.94	1.10	1.10	0.86	0.80	
25	0.38	0.38	0.28	0.44	2.15	1.63	4.63	1.73	1.10	1.10	0.86	0.74	
26	0.38	0.41	0.34	0.50	8.58	2.82	4.47	1.52	1.04	1.10	0.92	0.68	
27	0.38	0.41	0.34	0.47	5.30	2.29	4.31	1.63	1.04	1.04	2.96	0.68	
28	0.38	0.34	0.34	0.34	4.63	1.83	4.15	1.63	1.10	1.04	1.83	0.62	
29	0.41	0.34	0.34	0.28	3.37	3.82	4.15	1.63	1.04	0.98	1.63	0.62	
30	0.41	0.38	0.34	0.28	2.29	11.68	3.66	1.52	1.04	0.92		0.62	
31		0.34		0.28	2.29		3.37		1.04	0.92		0.68	
TOTAL	11.78	13.59	9.99	12.70	83.07	65.99	335.45	81.82	38.13	31.10	29.92	22.41	735.95 CMSDAY
MEAN	0.39	0.44	0.33	0.41	2.68	2.20	10.82	2.73	1.23	1.00	1.03	0.72	2.01 CMS
MAX	0.50	0.56	0.47	0.56	8.58	11.68	36.97	6.90	1.41	1.10	2.96	1.52	36.97 CMS
MIN	0.31	0.34	0.28	0.28	0.31	0.74	2.29	1.52	1.04	0.92	0.80	0.38	0.28 CMS
RUNOFF	1.018	1.174	0.863	1.097	7.177	5.702	28.983	7.069	3.294	2.687	2.585	1.936	63.586 MCM

MOMENTARY PEAK 67.80 CMS, AT 2.92 M (A.D), AT 16.00 HOURS, ON OCT 11, 1983

RUNOFF YIELD 11.36 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 383.05 LITERS/SECOND/SQUARE KM

WATER YEAR 1983

PASAK RIVER BASIN

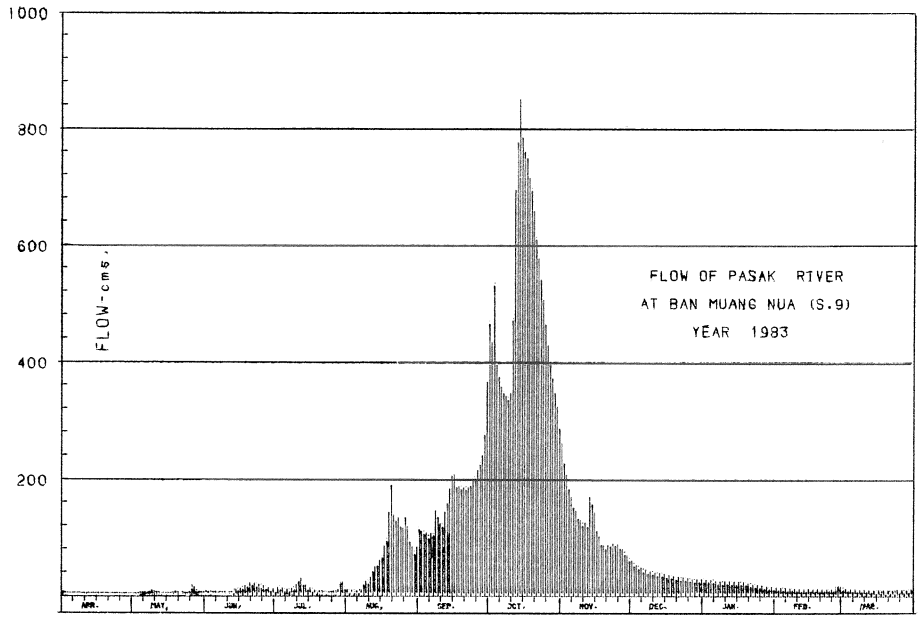
PASAK RIVER AT BAN MUANG NUA, SARABURI (S.9)

LOCATION	LAT. 14°-37'-33" N., LONG. 101°-01'-00" E., ON LEFT BANK AT BAN MUANG NUA RAILWAY BRIDGE, AMPHOE KAENG KHOI, SARABURI.
DRAINAGE AREA	14,374 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM	+7.492 M.(M.S.L.)
BENCH MARK	B.M.-H.D.
LOCATION	ON LEFT BANK UNDER TAMARIND TREE ALONG THE MEASURING LINE.
ELEVATION	+23.099 M.(M.S.L.)
GAGE READING FREQUENCY	5-TIME DAILY READINGS AT 06.00, 09.00, 12.00, 15.00 AND 18.00 HOURS.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 5 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1973 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1973 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1973 TO DATE.
STABILITY OF CHANNEL REGIMES	STABLE.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS GOOD. STAGE-DISCHARGE RELATION DEFINED BY 28 DISCHARGE MEASUREMENTS MADE IN 1983.

GAGE HEIGHT IN METER (MSL), WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	8.29	8.25	8.39	8.49	8.49	10.12	13.32	11.56	9.40	8.88	8.57	8.55	
2	8.29	8.25	8.37	8.57	8.46	10.04	13.02	11.29	9.33	8.86	8.57	8.52	
3	8.29	8.27	8.39	8.62	8.45	10.03	13.82	11.07	9.29	8.86	8.57	8.52	
4	8.28	8.31	8.38	8.54	8.45	10.00	12.72	10.87	9.26	8.86	8.56	8.50	
5	8.28	8.32	8.37	8.50	8.42	9.94	12.56	10.69	9.23	8.86	8.55	8.50	
6	8.28	8.32	8.35	8.49	8.47	9.99	12.39	10.54	9.19	8.82	8.54	8.50	
7	8.28	8.32	8.35	8.49	8.46	9.98	12.33	10.43	9.17	8.81	8.53	8.49	
8	8.28	8.35	8.36	8.53	8.79	10.43	12.26	10.33	9.15	8.81	8.53	8.48	
9	8.27	8.44	8.35	8.58	8.80	10.36	12.24	10.26	9.12	8.80	8.53	8.48	
10	8.27	8.39	8.34	8.69	8.83	10.19	12.30	10.20	9.12	8.81	8.52	8.48	
11	8.27	8.35	8.34	8.88	8.94	10.18	13.36	10.21	9.09	8.81	8.52	8.48	
12	8.27	8.34	8.37	8.91	9.19	10.41	15.04	10.18	9.08	8.81	8.51	8.47	
13	8.27	8.31	8.47	8.77	9.24	10.61	15.66	10.69	9.08	8.80	8.51	8.46	
14	8.27	8.29	8.49	8.67	9.34	10.83	16.16	10.60	9.07	8.80	8.51	8.46	
15	8.27	8.29	8.52	8.59	9.40	11.09	15.72	10.40	9.05	8.79	8.51	8.45	
16	8.27	8.28	8.53	8.55	9.52	11.07	15.51	10.10	9.03	8.79	8.51	8.45	
17	8.27	8.28	8.59	8.50	9.72	10.90	15.46	9.93	9.02	8.79	8.51	8.45	
18	8.27	8.31	8.64	8.45	9.88	10.87	15.19	9.80	9.01	8.78	8.51	8.45	
19	8.27	8.38	8.69	8.42	10.40	10.87	15.06	9.74	8.98	8.78	8.51	8.44	
20	8.27	8.34	8.75	8.42	10.94	10.85	14.77	9.72	8.97	8.74	8.50	8.44	
21	8.27	8.32	8.76	8.41	10.35	10.86	14.43	9.74	8.96	8.73	8.50	8.43	
22	8.27	8.34	8.74	8.40	10.28	10.85	14.15	9.77	8.94	8.70	8.50	8.43	
23	8.27	8.31	8.72	8.39	10.30	10.92	13.90	9.78	8.94	8.69	8.50	8.44	
24	8.27	8.30	8.69	8.35	10.17	10.97	13.60	9.79	8.93	8.68	8.51	8.48	
25	8.27	8.35	8.68	8.36	10.10	11.03	13.31	9.76	8.92	8.67	8.51	8.47	
26	8.27	8.64	8.64	8.42	10.35	11.14	12.98	9.73	8.90	8.66	8.51	8.46	
27	8.27	8.58	8.61	8.42	10.13	11.26	12.74	9.66	8.88	8.64	8.62	8.45	
28	8.27	8.44	8.56	8.48	9.86	11.37	12.51	9.59	8.88	8.61	8.72	8.46	
29	8.26	8.38	8.54	8.82	9.70	11.72	12.34	9.52	8.88	8.60	8.62	8.47	
30	8.25	8.36	8.51	8.77	9.60	12.46	12.11	9.45	8.88	8.59		8.49	
31		8.35		8.60	9.70		11.83		8.88	8.59		8.48	
MEAN	8.27	8.35	8.52	8.55	9.44	10.71	13.64	10.18	9.05	8.76	8.54	8.47	
MAX	8.29	8.64	8.76	8.91	10.94	12.46	16.16	11.56	9.40	8.88	8.72	8.55	16.16
MIN	8.25	8.25	8.34	8.35	8.42	9.94	11.83	9.45	8.88	8.59	8.50	8.43	8.25

ANNUAL MAX MOMENTARY GAGE HEIGHT 16.20 M (MSL), AT 9.00 HOURS, ON OCT 14, 1983
ZERO GAGE AT BOTTOM ELEVATION 7.49 M (MSL), RIVER BED 6.10 M (MSL)
LEFT BANK ELEVATION 23.03 M (MSL)
RIGHT BANK ELEVATION 23.13 M (MSL), DRAINAGE AREA 14374 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	5.8	5.0	8.7	12.6	12.6	118.8	469.6	261.6	62.0	30.0	15.8	15.0	
2	5.8	5.0	8.1	15.8	11.4	112.2	433.4	231.9	57.1	29.0	15.8	13.8	
3	5.8	5.4	8.7	17.8	11.0	111.4	534.6	208.0	54.3	29.0	15.8	13.8	
4	5.6	6.3	8.4	14.6	11.0	109.0	397.4	188.0	52.2	29.0	15.4	13.0	
5	5.6	6.6	8.1	13.0	9.8	104.2	378.2	170.1	50.1	29.0	15.0	13.0	
6	5.6	6.6	7.5	12.6	11.8	108.2	357.8	156.6	47.4	27.0	14.6	13.0	
7	5.6	6.6	7.5	12.6	11.4	107.4	350.6	146.7	46.2	26.5	14.2	12.6	
8	5.6	7.5	7.8	14.2	25.5	146.7	342.2	137.7	45.0	26.5	14.2	12.2	
9	5.4	10.6	7.5	16.2	26.0	140.4	339.8	131.4	43.2	26.0	14.2	12.2	
10	5.4	8.7	7.2	20.6	27.5	125.1	347.0	126.0	43.2	26.5	13.8	12.2	
11	5.4	7.5	7.2	30.0	33.0	124.2	474.8	126.9	41.4	26.5	13.8	12.2	
12	5.4	7.2	8.1	31.5	47.4	144.9	694.6	124.2	40.8	26.5	13.4	11.8	
13	5.4	6.3	11.8	24.5	50.8	162.9	781.4	170.1	40.8	26.0	13.4	11.4	
14	5.4	5.8	12.6	19.8	57.8	184.0	851.4	162.0	40.2	26.0	13.4	11.4	
15	5.4	5.8	13.8	16.6	62.0	210.0	789.8	144.0	39.0	25.5	13.4	11.0	
16	5.4	5.6	14.2	15.0	70.6	208.0	760.4	117.0	37.8	25.5	13.4	11.0	
17	5.4	5.6	16.6	13.0	86.6	191.0	753.4	103.4	37.2	25.5	13.4	11.0	
18	5.4	6.3	18.6	11.0	99.4	188.0	715.6	93.0	36.6	25.0	13.4	11.0	
19	5.4	8.4	20.6	9.8	144.0	188.0	697.4	88.2	35.0	25.0	13.4	10.6	
20	5.4	7.2	23.5	9.8	195.0	186.0	658.1	86.6	34.5	23.0	13.0	10.6	
21	5.4	6.6	24.0	9.4	139.5	187.0	613.9	88.2	34.0	22.5	13.0	10.2	
22	5.4	7.2	23.0	9.0	133.2	186.0	577.5	90.6	33.0	21.0	13.0	10.2	
23	5.4	6.3	22.0	8.7	135.0	193.0	545.0	91.4	33.0	20.6	13.0	10.6	
24	5.4	6.0	20.6	7.5	123.3	198.0	506.0	92.2	32.5	20.2	13.4	12.2	
25	5.4	7.5	20.2	7.8	117.0	204.0	468.3	89.8	32.0	19.8	13.4	11.8	
26	5.4	18.6	18.6	9.8	139.5	215.4	428.6	87.4	31.0	19.4	13.4	11.4	
27	5.4	16.2	17.4	9.8	119.7	228.6	399.8	81.8	30.0	18.6	17.8	11.0	
28	5.4	10.6	15.4	12.2	97.8	240.7	372.2	76.2	30.0	17.4	22.0	11.4	
29	5.2	8.4	14.6	27.0	85.0	279.2	351.8	70.6	30.0	17.0	17.8	11.8	
30	5.0	7.8	13.4	24.5	77.0	366.2	324.2	65.5	30.0	16.6		12.6	
31		7.5		17.0	85.0		291.3		30.0	16.6		12.2	
TOTAL	163.6	236.7	415.7	473.7	2256.6	5268.5	16006.1	3807.1	1229.5	742.7	419.6	368.2	31388.0 CMSDAY
MEAN	5.5	7.6	13.9	15.3	72.8	175.6	516.3	126.9	39.7	24.0	14.5	11.9	85.8 CMS
MAX	5.8	18.6	24.0	31.5	195.0	366.2	851.4	261.6	62.0	30.0	22.0	15.0	851.4 CMS
MIN	5.0	5.0	7.2	7.5	9.8	104.2	291.3	65.5	30.0	16.6	13.0	10.2	5.0 CMS
RUNOFF	14.14	20.45	35.92	40.93	194.97	455.20	1382.93	328.93	106.23	64.17	36.25	31.81	2711.92 MCM

MOMENTARY PEAK 857.00 CMS, AT 16.20 M (MSL), AT 9.00 HOURS, ON OCT 14, 1983

RUNOFF YIELD 5.97 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 59.62 LITERS/SECOND/SQUARE KM

WATER YEAR 1983

PASAK RIVER BASIN

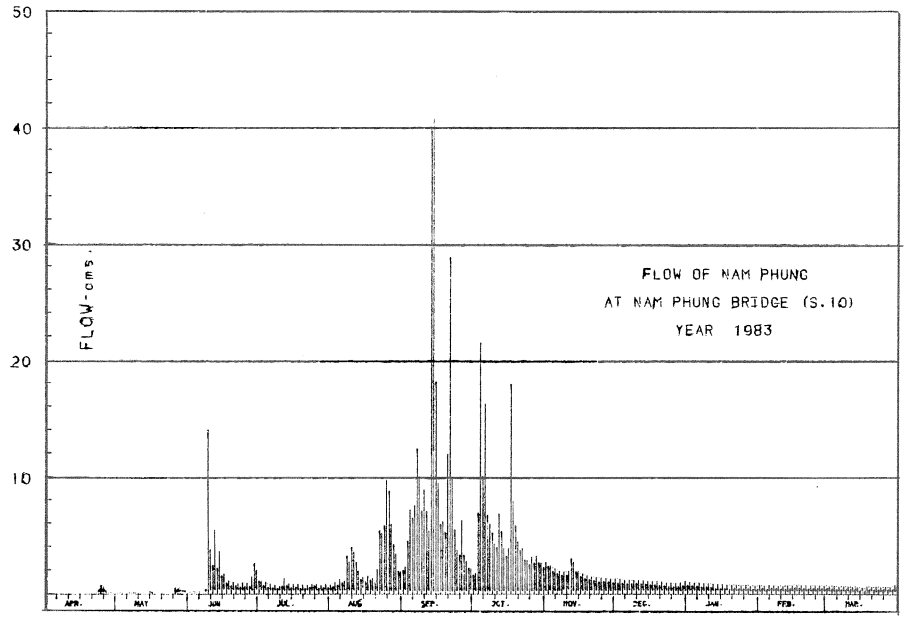
HUAI NAM PHUNG AT BAN HIN HAO, PHETCHABUN (S.10)

LOCATION	LAT. 16°-56'-50" N., LONG. 101°-13'-10" E., ON RIGHT BANK ABOUT 70 METERS UPSTREAM FROM THE BRIDGE ON HIGHWAY, AMPHOE LOM KAO, PHETCHABUN.
DRAINAGE AREA	268 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM	+0.00 M. (A.D.)
BENCH MARK	B.M.-H.D.
LOCATION	NEAR THE GAGE SITE.
ELEVATION	+8.823 M. (A.D.)
GAGE READING FREQUENCY	5-TIME DAILY READINGS AT 06.00, 09.00, 12.00, 15.00 AND 18.00 HOURS.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 5 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1965 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1967, 1979 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1967, 1979 TO DATE.
STABILITY OF CHANNEL REGIMES	STABLE.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS FAIR. STAGE-DISCHARGE RELATION DEFINED BY 29 DISCHARGE MEASUREMENTS MADE IN 1983.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.09	0.13	0.16	0.52	0.39	0.68	0.62	0.74	0.50	0.45	0.38	0.37	
2	0.08	0.12	0.17	0.47	0.41	0.68	0.60	0.73	0.50	0.44	0.37	0.35	
3	0.08	0.10	0.15	0.45	0.44	0.98	1.21	0.70	0.50	0.44	0.36	0.36	
4	0.08	0.09	0.16	0.45	0.45	1.21	2.12	0.67	0.49	0.43	0.35	0.36	
5	0.08	0.12	0.18	0.41	0.49	1.17	1.45	0.66	0.48	0.43	0.38	0.35	
6	0.09	0.11	0.15	0.41	0.49	1.24	1.84	0.64	0.48	0.43	0.38	0.34	
7	0.08	0.11	0.18	0.40	0.46	1.62	1.19	0.63	0.48	0.42	0.37	0.35	
8	0.08	0.13	0.24	0.38	0.84	1.43	1.10	0.62	0.48	0.42	0.37	0.35	
9	0.09	0.10	1.70	0.39	0.74	1.22	1.05	0.62	0.48	0.42	0.36	0.35	
10	0.10	0.09	0.88	0.35	0.93	1.35	0.93	0.62	0.48	0.42	0.36	0.35	
11	0.08	0.09	0.74	0.42	0.85	1.22	0.93	0.63	0.48	0.41	0.36	0.34	
12	0.08	0.09	1.05	0.51	0.77	1.04	1.18	0.81	0.48	0.41	0.36	0.34	
13	0.07	0.10	0.71	0.45	0.63	2.86	1.06	0.74	0.48	0.40	0.37	0.35	
14	0.07	0.10	0.86	0.41	0.55	2.89	0.89	0.66	0.47	0.40	0.37	0.33	
15	0.07	0.15	0.61	0.40	0.53	1.96	0.84	0.63	0.46	0.40	0.37	0.32	
16	0.06	0.10	0.59	0.40	0.53	1.39	0.89	0.60	0.46	0.40	0.39	0.32	
17	0.05	0.08	0.49	0.41	0.55	1.12	1.95	0.59	0.46	0.40	0.39	0.31	
18	0.06	0.10	0.47	0.40	0.56	1.12	1.27	0.57	0.46	0.39	0.38	0.35	
19	0.07	0.08	0.45	0.38	0.51	1.05	1.11	0.56	0.46	0.38	0.38	0.35	
20	0.09	0.11	0.44	0.38	0.51	1.57	0.95	0.55	0.45	0.38	0.38	0.34	
21	0.10	0.09	0.45	0.38	0.65	2.45	0.90	0.54	0.45	0.38	0.38	0.33	
22	0.11	0.09	0.41	0.38	1.07	1.42	0.89	0.54	0.44	0.39	0.37	0.35	
23	0.19	0.09	0.41	0.40	1.02	1.08	0.80	0.53	0.43	0.37	0.37	0.34	
24	0.35	0.06	0.43	0.40	1.11	0.87	0.76	0.52	0.43	0.37	0.37	0.33	
25	0.23	0.05	0.43	0.43	1.41	0.86	0.75	0.52	0.43	0.37	0.37	0.34	
26	0.18	0.34	0.42	0.40	1.36	1.13	0.80	0.52	0.42	0.38	0.37	0.34	
27	0.15	0.24	0.42	0.38	1.10	0.85	0.77	0.51	0.42	0.37	0.37	0.34	
28	0.13	0.22	0.54	0.37	0.95	0.75	0.81	0.51	0.42	0.36	0.37	0.34	
29	0.12	0.21	0.75	0.39	0.83	0.71	0.77	0.50	0.43	0.36	0.36	0.35	
30	0.12	0.20	0.64	0.40	0.67	0.66	0.73	0.50	0.44	0.36		0.39	
31		0.16		0.39	0.62		0.72		0.46	0.36		0.38	
MEAN	0.11	0.12	0.51	0.41	0.72	1.29	1.03	0.61	0.46	0.40	0.37	0.35	
MAX	0.35	0.34	1.70	0.52	1.41	2.89	2.12	0.81	0.50	0.45	0.39	0.39	2.89
MIN	0.05	0.05	0.15	0.35	0.39	0.66	0.60	0.50	0.42	0.36	0.35	0.31	0.05

ANNUAL MAX MOMENTARY GAGE HEIGHT 3.77 M (A.D), AT 9.00 HOURS, ON SEP 13, 1983
ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D), RIVER BED -0.20 M (A.D)
LEFT BANK ELEVATION 9.25 M (A.D)
RIGHT BANK ELEVATION 8.45 M (A.D), DRAINAGE AREA 268 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.09	0.14	0.19	1.40	0.81	2.32	1.93	2.75	1.30	1.07	0.78	0.75	
2	0.08	0.13	0.21	1.16	0.90	2.32	1.80	2.68	1.30	1.03	0.75	0.67	
3	0.08	0.10	0.18	1.07	1.03	4.80	7.22	2.45	1.30	1.03	0.71	0.71	
4	0.08	0.09	0.19	1.07	1.07	7.22	21.52	2.26	1.26	0.99	0.67	0.71	
5	0.08	0.13	0.22	0.90	1.26	6.77	10.30	2.19	1.21	0.99	0.78	0.67	
6	0.09	0.12	0.18	0.90	1.26	7.58	16.28	2.06	1.21	0.99	0.78	0.64	
7	0.08	0.12	0.22	0.85	1.12	12.72	6.99	1.99	1.21	0.94	0.75	0.67	
8	0.08	0.14	0.35	0.78	3.52	10.02	6.00	1.93	1.21	0.94	0.75	0.67	
9	0.09	0.10	14.00	0.81	2.75	7.34	5.50	1.93	1.21	0.94	0.71	0.67	
10	0.10	0.09	3.84	0.67	4.30	8.95	4.30	1.93	1.21	0.94	0.71	0.67	
11	0.08	0.09	2.75	0.94	3.60	7.34	4.30	1.99	1.21	0.90	0.71	0.64	
12	0.08	0.09	5.50	1.35	2.98	5.40	6.88	3.28	1.21	0.90	0.71	0.64	
13	0.07	0.10	2.52	1.07	1.99	39.98	5.60	2.75	1.21	0.85	0.75	0.67	
14	0.07	0.10	3.68	0.90	1.55	40.82	3.92	2.19	1.16	0.85	0.75	0.61	
15	0.07	0.18	1.86	0.85	1.45	18.44	3.52	1.99	1.12	0.85	0.75	0.57	
16	0.06	0.10	1.75	0.85	1.45	9.47	3.92	1.80	1.12	0.85	0.81	0.57	
17	0.05	0.08	1.26	0.90	1.55	6.22	18.25	1.75	1.12	0.85	0.81	0.53	
18	0.06	0.10	1.16	0.85	1.60	6.22	7.94	1.65	1.12	0.81	0.78	0.67	
19	0.07	0.08	1.07	0.78	1.35	5.50	6.11	1.60	1.12	0.78	0.78	0.67	
20	0.09	0.12	1.03	0.78	1.35	11.98	4.50	1.55	1.07	0.78	0.78	0.64	
21	0.10	0.09	1.07	0.78	2.12	29.05	4.00	1.50	1.07	0.78	0.78	0.61	
22	0.12	0.09	0.90	0.78	5.70	9.88	3.92	1.50	1.03	0.81	0.75	0.67	
23	0.24	0.09	0.90	0.85	5.20	5.80	3.20	1.45	0.99	0.75	0.75	0.64	
24	0.67	0.06	0.99	0.85	6.11	3.76	2.90	1.40	0.99	0.75	0.75	0.61	
25	0.33	0.05	0.99	0.99	9.74	3.68	2.83	1.40	0.99	0.75	0.75	0.64	
26	0.22	0.64	0.94	0.85	9.08	6.33	3.20	1.40	0.94	0.78	0.75	0.64	
27	0.18	0.35	0.94	0.78	6.00	3.60	2.98	1.35	0.94	0.75	0.75	0.64	
28	0.14	0.30	1.50	0.75	4.50	2.83	3.28	1.35	0.94	0.71	0.75	0.64	
29	0.13	0.27	2.83	0.81	3.44	2.52	2.98	1.30	0.99	0.71	0.71	0.67	
30	0.13	0.25	2.06	0.85	2.26	2.19	2.68	1.30	1.03	0.71		0.81	
31		0.19		0.81	1.93		2.60		1.12	0.71		0.78	
TOTAL	3.81	4.58	55.28	27.98	92.97	291.05	181.35	56.67	34.91	26.49	21.76	20.39	817.24 CMSDAY
MEAN	0.13	0.15	1.84	0.90	3.00	9.70	5.85	1.89	1.13	0.85	0.75	0.66	2.23 CMS
MAX	0.67	0.64	14.00	1.40	9.74	40.82	21.52	3.28	1.30	1.07	0.81	0.81	40.82 CMS
MIN	0.05	0.05	0.18	0.67	0.81	2.19	1.80	1.30	0.94	0.71	0.67	0.53	0.05 CMS
RUNOFF	0.329	0.396	4.776	2.417	8.033	25.147	15.669	4.896	3.016	2.289	1.880	1.762	70.610 MCM

MOMENTARY PEAK 69.25 CMS, AT 3.77 M (A.D), AT 9.00 HOURS, ON SEP 13, 1983
RUNOFF YIELD 8.33 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 258.40 LITERS/SECOND/SQUARE KM

WATER YEAR 1983

PASAK RIVER BASIN

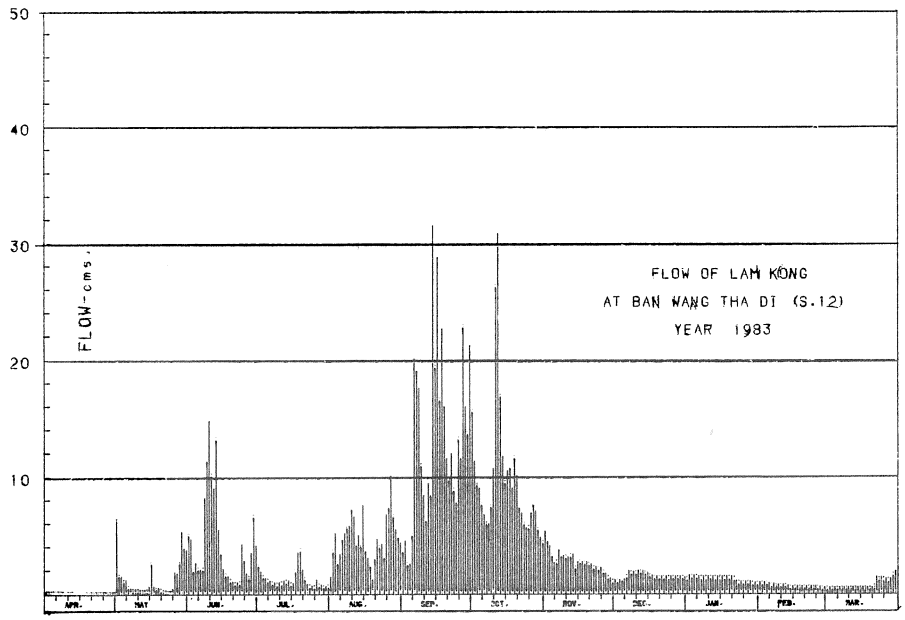
LAM KONG AT BAN WANG THA DI, PHETCHABUN (S.12)

LOCATION	LAT. 15°-59'-50" N., LONG. 101°-14'-28" E., ON LEFT BANK AT BAN WANG THA DI, AMPHOE NONG PHAI, PHETCHABUN.
DRAINAGE AREA	471 SQ.KM.
TYPE OF GAGE	WATER-STAGE RECORDER.
ZERO GAGE AT BOTTOM	+0.00 M. (A.D.)
BENCH MARK	B.M.-H.D.
LOCATION	ON LEFT BANK ALONG THE GAGE LINE.
ELEVATION	+5.792 M. (A.D.)
GAGE READING FREQUENCY	RECORDING.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 24 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1978 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1978 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1978 TO DATE.
STABILITY OF CHANNEL REGIMES	STABLE.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS GOOD. STAGE-DISCHARGE RELATION DEFINED BY 97 DISCHARGE MEASUREMENTS MADE IN 1983.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.52	1.13	1.05	0.84	0.71	0.95	1.57	1.06	0.68	0.71	0.65	0.58	
2	0.52	0.74	1.02	0.77	0.95	1.01	1.38	1.02	0.68	0.73	0.65	0.58	
3	0.52	0.72	0.80	0.73	1.05	0.85	1.29	0.98	0.68	0.73	0.65	0.58	
4	0.52	0.68	0.85	0.70	0.86	0.84	1.27	0.92	0.70	0.73	0.65	0.58	
5	0.52	0.68	0.81	0.69	0.92	1.05	1.21	0.85	0.69	0.73	0.64	0.58	
6	0.52	0.61	0.79	0.67	1.03	1.73	1.15	0.87	0.73	0.72	0.63	0.58	
7	0.52	0.57	0.81	0.66	1.05	1.70	1.11	0.95	0.78	0.72	0.63	0.58	
8	0.51	0.56	1.23	0.65	1.09	1.64	1.10	0.92	0.77	0.72	0.62	0.58	
9	0.51	0.56	1.39	0.64	1.09	1.37	1.20	0.91	0.77	0.72	0.62	0.58	
10	0.51	0.56	1.53	0.65	1.19	1.24	1.35	0.91	0.77	0.72	0.62	0.58	
11	0.51	0.55	1.33	0.66	1.14	1.13	1.94	0.90	0.78	0.72	0.62	0.58	
12	0.51	0.54	1.27	0.67	1.00	1.29	2.07	0.92	0.78	0.72	0.62	0.58	
13	0.50	0.55	1.47	0.68	1.04	1.25	1.62	0.92	0.78	0.72	0.61	0.58	
14	0.50	0.55	1.07	0.67	0.99	2.09	1.40	0.82	0.77	0.72	0.60	0.58	
15	0.50	0.60	0.94	0.65	1.20	1.71	1.30	0.86	0.76	0.72	0.60	0.58	
16	0.50	0.86	0.80	0.64	0.96	2.01	1.34	0.87	0.74	0.72	0.60	0.58	
17	0.50	0.60	0.75	0.79	0.89	1.61	1.36	0.86	0.73	0.72	0.60	0.58	
18	0.50	0.58	0.72	0.93	0.84	1.82	1.27	0.86	0.72	0.72	0.60	0.58	
19	0.50	0.58	0.69	0.96	0.68	1.59	1.40	0.86	0.72	0.72	0.60	0.58	
20	0.50	0.56	0.66	0.79	0.90	1.39	1.32	0.85	0.72	0.72	0.60	0.58	
21	0.50	0.54	0.65	0.71	1.02	1.31	1.20	0.84	0.72	0.71	0.60	0.61	
22	0.50	0.53	0.65	0.63	0.98	1.41	1.16	0.82	0.72	0.67	0.60	0.71	
23	0.50	0.52	0.66	0.62	0.99	1.27	1.11	0.82	0.72	0.66	0.60	0.70	
24	0.50	0.52	0.99	0.61	0.91	1.21	1.08	0.81	0.72	0.66	0.60	0.71	
25	0.50	0.56	0.89	0.61	1.15	1.47	1.09	0.81	0.72	0.66	0.60	0.70	
26	0.50	0.76	0.75	0.68	1.20	1.39	1.16	0.78	0.72	0.66	0.60	0.69	
27	0.50	0.75	0.72	0.63	1.32	1.83	1.21	0.75	0.72	0.66	0.59	0.69	
28	0.50	0.86	0.93	0.62	1.15	1.58	1.17	0.72	0.72	0.66	0.58	0.69	
29	0.50	1.06	1.15	0.61	1.07	1.49	1.08	0.70	0.72	0.65	0.58	0.75	
30	0.50	0.98	0.98	0.60	1.04	1.77	1.03	0.68	0.72	0.65		0.77	
31		0.95		0.62	1.00		1.01		0.71	0.65		0.69	
MEAN	0.51	0.67	0.94	0.69	1.01	1.43	1.29	0.86	0.73	0.70	0.61	0.62	
MAX	0.52	1.13	1.53	0.96	1.32	2.09	2.07	1.06	0.78	0.73	0.65	0.77	2.09
MIN	0.50	0.52	0.65	0.60	0.68	0.84	1.01	0.68	0.68	0.65	0.58	0.58	0.50

ANNUAL MAX MOMENTARY GAGE HEIGHT 2.84 M (A.D), AT 17.00 HOURS, ON SEP 6, 1983
ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D), RIVER BED 0.03 M (A.D)
LEFT BANK ELEVATION 8.21 M (A.D)
RIGHT BANK ELEVATION 7.93 M (A.D), DRAINAGE AREA 471 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.30	6.48	5.20	2.60	1.48	3.80	15.78	5.36	1.26	1.48	1.05	0.60	
2	0.30	1.72	4.72	1.96	3.80	4.56	11.38	4.72	1.26	1.64	1.05	0.60	
3	0.30	1.56	2.20	1.64	5.20	2.70	9.49	4.16	1.26	1.64	1.05	0.60	
4	0.30	1.26	2.70	1.40	2.80	2.60	9.07	3.44	1.40	1.64	1.05	0.60	
5	0.30	1.26	2.30	1.33	3.44	5.20	7.81	2.70	1.33	1.64	0.98	0.60	
6	0.30	0.77	2.12	1.19	4.88	20.14	6.80	2.90	1.64	1.56	0.91	0.60	
7	0.30	0.55	2.30	1.12	5.20	19.30	6.16	3.80	2.04	1.56	0.91	0.60	
8	0.25	0.50	8.23	1.05	5.84	17.62	6.00	3.44	1.96	1.56	0.84	0.60	
9	0.25	0.50	11.59	0.98	5.84	11.17	7.60	3.32	1.96	1.56	0.84	0.60	
10	0.25	0.50	14.82	1.05	7.44	8.44	10.75	3.32	1.96	1.56	0.84	0.60	
11	0.25	0.45	10.33	1.12	6.64	6.48	26.46	3.20	2.04	1.56	0.84	0.60	
12	0.25	0.40	9.07	1.19	4.40	9.49	30.88	3.44	2.04	1.56	0.84	0.60	
13	0.20	0.45	13.41	1.26	5.04	8.65	17.06	3.44	2.04	1.56	0.77	0.60	
14	0.20	0.45	5.52	1.19	4.28	31.56	11.80	2.40	1.96	1.56	0.70	0.60	
15	0.20	0.70	3.68	1.05	7.60	19.58	9.70	2.80	1.88	1.56	0.70	0.60	
16	0.20	2.80	2.20	0.98	3.92	28.84	10.54	2.90	1.72	1.56	0.70	0.60	
17	0.20	0.70	1.80	2.12	3.10	16.78	10.96	2.80	1.64	1.56	0.70	0.60	
18	0.20	0.60	1.56	3.56	2.60	22.70	9.07	2.80	1.56	1.56	0.70	0.60	
19	0.20	0.60	1.33	3.92	1.26	16.26	11.80	2.80	1.56	1.56	0.70	0.60	
20	0.20	0.50	1.12	2.12	3.20	11.59	10.12	2.70	1.56	1.56	0.70	0.60	
21	0.20	0.40	1.05	1.48	4.72	9.91	7.60	2.60	1.56	1.48	0.70	0.77	
22	0.20	0.35	1.05	0.91	4.16	12.03	6.96	2.40	1.56	1.19	0.70	1.48	
23	0.20	0.30	1.12	0.84	4.28	9.07	6.16	2.40	1.56	1.12	0.70	1.40	
24	0.20	0.30	4.28	0.77	3.32	7.81	5.68	2.30	1.56	1.12	0.70	1.48	
25	0.20	0.50	3.10	0.77	6.80	13.41	5.84	2.30	1.56	1.12	0.70	1.40	
26	0.20	1.88	1.80	1.26	7.60	11.59	6.96	2.04	1.56	1.12	0.70	1.33	
27	0.20	1.80	1.56	0.91	10.12	23.00	7.81	1.80	1.56	1.12	0.65	1.33	
28	0.20	2.80	3.56	0.84	6.80	16.02	7.12	1.56	1.56	1.12	0.60	1.33	
29	0.20	5.36	6.80	0.77	5.52	13.87	5.68	1.40	1.56	1.05	0.60	1.80	
30	0.20	4.16	4.16	0.70	5.04	21.26	4.88	1.26	1.56	1.05		1.96	
31		3.80		0.84	4.40		4.56		1.48	1.05		1.33	
TOTAL	6.95	44.40	134.68	42.92	150.72	405.43	308.48	86.50	51.15	43.98	22.92	27.61	1325.74 CMSDAY
MEAN	0.23	1.43	4.49	1.38	4.86	13.51	9.95	2.88	1.65	1.42	0.79	0.89	3.62 CMS
MAX	0.30	6.48	14.82	3.92	10.12	31.56	30.88	5.36	2.04	1.64	1.05	1.96	31.56 CMS
MIN	0.20	0.30	1.05	0.70	1.26	2.60	4.56	1.26	1.26	1.05	0.60	0.60	0.20 CMS
RUNOFF	0.600	3.836	11.636	3.708	13.022	35.029	26.653	7.474	4.419	3.800	1.980	2.386	114.544 MCM

MOMENTARY PEAK 65.36 CMS, AT 2.84 M (A.D), AT 17.00 HOURS, ON SEP 6, 1983

RUNOFF YIELD 7.69 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 138.77 LITERS/SECOND/SQUARE KM

WATER YEAR 1983

PASAK RIVER BASIN

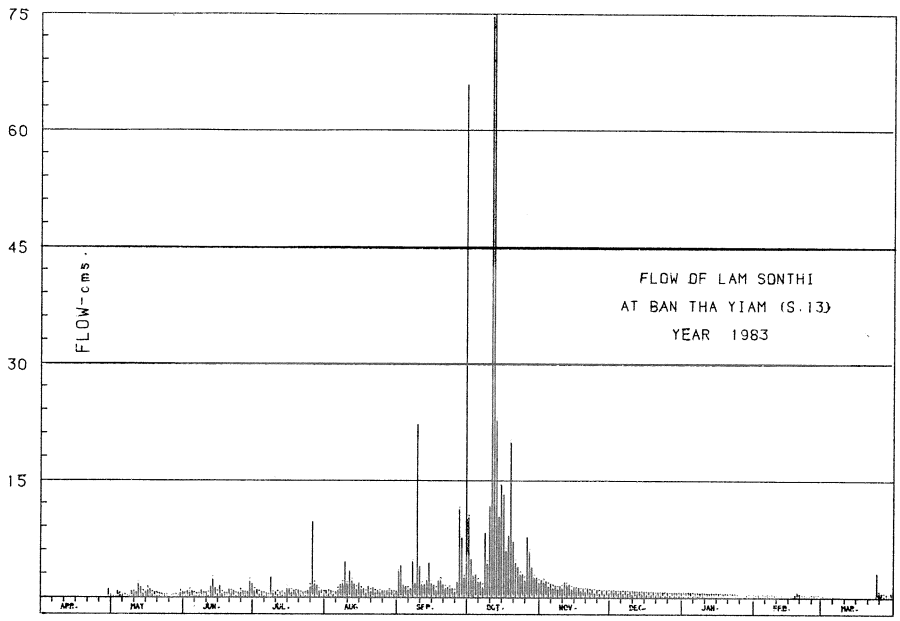
LAM SONTHI AT BAN THA YIAM, LOP BURI (S.13)

LOCATION	LAT. 15°-20'-21" N., LONG. 101°-22'-30" E., ON LEFT BANK NEAR WAT THA YIAM, AMPHOE CHAI BADAN, LOP BURI.
DRAINAGE AREA	359 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM	+0.00 M.(A.D.)
BENCH MARK	B.M.-H.D.
LOCATION	ABOUT 15 METERS FROM THE TOP OF STAFF GAGE.
ELEVATION	+8.697 M.(A.D.)
GAGE READING FREQUENCY	13-TIME DAILY READINGS AT 06.00 - 18.00 HOURS.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 13 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1978 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1978 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1978 TO DATE.
STABILITY OF CHANNEL REGIMES	STABLE.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS GOOD. STAGE-DISCHARGE RELATION DEFINED BY 212 DISCHARGE MEASUREMENTS MADE IN 1983.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.29	0.35	0.42	0.53	0.47	0.91	1.79	0.71	0.49	0.43	0.37	0.34	
2	0.29	0.34	0.46	0.49	0.49	0.98	1.10	0.73	0.49	0.43	0.37	0.34	
3	0.28	0.46	0.52	0.47	0.47	0.65	0.85	0.68	0.48	0.43	0.37	0.33	
4	0.27	0.42	0.46	0.44	0.45	0.57	0.82	0.65	0.48	0.43	0.37	0.33	
5	0.26	0.39	0.43	0.43	0.44	0.56	0.74	0.63	0.48	0.43	0.37	0.33	
6	0.25	0.38	0.41	0.41	0.55	0.52	0.67	0.61	0.48	0.42	0.37	0.32	
7	0.24	0.37	0.41	0.39	0.61	1.09	0.63	0.59	0.48	0.42	0.37	0.32	
8	0.23	0.36	0.48	0.76	0.69	0.63	1.54	0.58	0.48	0.42	0.37	0.32	
9	0.22	0.46	0.43	0.46	1.05	2.94	1.08	0.58	0.47	0.42	0.37	0.32	
10	0.21	0.46	0.43	0.43	0.67	0.97	1.90	0.60	0.47	0.42	0.36	0.32	
11	0.20	0.43	0.44	0.47	0.88	0.67	6.61	0.66	0.47	0.41	0.36	0.32	
12	0.19	0.68	0.56	0.43	0.74	0.61	6.95	0.65	0.46	0.41	0.35	0.31	
13	0.18	0.55	0.78	0.45	0.62	0.76	2.99	0.61	0.46	0.41	0.35	0.31	
14	0.17	0.48	0.53	0.41	0.58	1.03	1.76	0.58	0.46	0.41	0.35	0.31	
15	0.16	0.44	0.48	0.59	0.64	0.69	2.24	0.56	0.46	0.41	0.35	0.31	
16	0.15	0.56	0.58	0.51	0.56	0.60	2.06	0.55	0.45	0.41	0.35	0.31	
17	0.14	0.51	0.46	0.51	0.52	0.56	1.31	0.54	0.45	0.41	0.35	0.31	
18	0.13	0.45	0.42	0.48	0.49	0.69	1.50	0.54	0.45	0.40	0.44	0.31	
19	0.13	0.43	0.41	0.49	0.57	0.76	2.74	0.53	0.45	0.40	0.43	0.30	
20	0.12	0.43	0.50	0.48	0.52	0.61	1.41	0.53	0.44	0.40	0.39	0.30	
21	0.11	0.41	0.49	0.45	0.54	0.59	1.10	0.53	0.44	0.40	0.37	0.30	
22	0.10	0.39	0.47	0.43	0.50	0.55	0.96	0.52	0.44	0.40	0.36	0.30	
23	0.09	0.38	0.43	0.44	0.48	0.58	0.88	0.51	0.44	0.39	0.35	0.29	
24	0.08	0.38	0.42	0.47	0.50	0.53	0.83	0.51	0.44	0.38	0.34	0.85	
25	0.07	0.37	0.51	0.62	0.47	0.51	0.78	0.50	0.43	0.38	0.37	0.46	
26	0.06	0.35	0.46	1.69	0.46	0.66	1.48	0.50	0.43	0.37	0.35	0.42	
27	0.05	0.37	0.44	0.68	0.47	1.89	1.29	0.49	0.43	0.37	0.37	0.41	
28	0.10	0.38	0.44	0.59	0.51	1.47	0.95	0.49	0.43	0.37	0.36	0.39	
29	0.51	0.37	0.74	0.53	0.48	0.81	0.82	0.49	0.43	0.37	0.35	0.38	
30	0.36	0.49	0.62	0.49	0.47	5.71	0.76	0.49	0.43	0.37		0.42	
31		0.44		0.47	0.46		0.72		0.43	0.37		0.55	
MEAN	0.19	0.43	0.49	0.53	0.56	1.00	1.65	0.57	0.46	0.40	0.37	0.36	
MAX	0.51	0.68	0.78	1.69	1.05	5.71	6.95	0.73	0.49	0.43	0.44	0.85	6.95
MIN	0.05	0.34	0.41	0.39	0.44	0.51	0.63	0.49	0.43	0.37	0.34	0.29	0.05

ANNUAL MAX MOMENTARY GAGE HEIGHT 8.10 M (A.D), AT 23.00 HOURS, ON OCT 11, 1983
ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D), RIVER BED 0.16 M (A.D)
LEFT BANK ELEVATION 9.96 M (A.D)
RIGHT BANK ELEVATION 9.79 M (A.D), DRAINAGE AREA 359 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.00	0.25	0.60	1.18	0.85	3.57	10.60	2.26	0.95	0.65	0.35	0.20	
2	0.00	0.20	0.80	0.95	0.95	4.06	4.90	2.38	0.95	0.65	0.35	0.20	
3	0.00	0.80	1.12	0.85	0.85	1.90	3.15	2.08	0.90	0.65	0.35	0.15	
4	0.00	0.60	0.80	0.70	0.75	1.42	2.94	1.90	0.90	0.65	0.35	0.15	
5	0.00	0.45	0.65	0.65	0.70	1.36	2.44	1.78	0.90	0.65	0.35	0.15	
6	0.00	0.40	0.55	0.55	1.30	1.12	2.02	1.66	0.90	0.60	0.35	0.10	
7	0.00	0.35	0.55	0.45	1.66	4.83	1.78	1.54	0.90	0.60	0.35	0.10	
8	0.00	0.30	0.90	2.56	2.14	1.78	8.26	1.48	0.90	0.60	0.35	0.10	
9	0.00	0.80	0.65	0.80	4.55	22.51	4.76	1.48	0.85	0.60	0.35	0.10	
10	0.00	0.80	0.65	0.65	2.02	3.99	11.65	1.60	0.85	0.60	0.30	0.10	
11	0.00	0.65	0.70	0.85	3.36	2.02	91.90	1.96	0.85	0.55	0.30	0.10	
12	0.00	2.08	1.36	0.65	2.44	1.66	106.70	1.90	0.80	0.55	0.25	0.05	
13	0.00	1.30	2.68	0.75	1.72	2.56	23.09	1.66	0.80	0.55	0.25	0.05	
14	0.00	0.90	1.18	0.55	1.48	4.41	10.32	1.48	0.80	0.55	0.25	0.05	
15	0.00	0.70	0.90	1.54	1.84	2.14	14.88	1.36	0.80	0.55	0.25	0.05	
16	0.00	1.36	1.48	1.06	1.36	1.60	13.17	1.30	0.75	0.55	0.25	0.05	
17	0.00	1.06	0.80	1.06	1.12	1.36	6.38	1.24	0.75	0.55	0.25	0.05	
18	0.00	0.75	0.60	0.90	0.95	2.14	7.90	1.24	0.75	0.50	0.70	0.05	
19	0.00	0.65	0.55	0.95	1.42	2.56	20.21	1.18	0.75	0.50	0.65	0.00	
20	0.00	0.65	1.00	0.90	1.12	1.66	7.14	1.18	0.70	0.50	0.45	0.00	
21	0.00	0.55	0.95	0.75	1.24	1.54	4.90	1.18	0.70	0.50	0.35	0.00	
22	0.00	0.45	0.85	0.65	1.00	1.30	3.92	1.12	0.70	0.50	0.30	0.00	
23	0.00	0.40	0.65	0.70	0.90	1.48	3.36	1.06	0.70	0.45	0.25	0.00	
24	0.00	0.40	0.60	0.85	1.00	1.18	3.01	1.06	0.70	0.40	0.20	3.15	
25	0.00	0.35	1.06	1.72	0.85	1.06	2.68	1.00	0.65	0.40	0.35	0.80	
26	0.00	0.25	0.80	9.66	0.80	1.96	7.73	1.00	0.65	0.35	0.25	0.60	
27	0.00	0.35	0.70	2.08	0.85	11.56	6.23	0.95	0.65	0.35	0.35	0.55	
28	0.00	0.40	0.70	1.54	1.06	7.65	3.85	0.95	0.65	0.35	0.30	0.45	
29	1.06	0.35	2.44	1.18	0.90	2.87	2.94	0.95	0.65	0.35	0.25	0.40	
30	0.30	0.95	1.72	0.95	0.85	65.88	2.56	0.95	0.65	0.35		0.60	
31		0.70		0.85	0.80		2.32		0.65	0.35		1.30	
TOTAL	1.36	20.20	28.99	39.48	42.83	165.13	397.69	42.88	24.10	15.95	9.65	9.65	797.91 CMSDAY
MEAN	0.05	0.65	0.97	1.27	1.38	5.50	12.83	1.43	0.78	0.51	0.33	0.31	2.18 CMS
MAX	1.06	2.08	2.68	9.66	4.55	65.88	106.70	2.38	0.95	0.65	0.70	3.15	106.70 CMS
MIN	0.00	0.20	0.55	0.45	0.70	1.06	1.78	0.95	0.65	0.35	0.20	0.00	0.00 CMS
RUNOFF	0.118	1.745	2.505	3.411	3.701	14.267	34.360	3.705	2.082	1.378	0.834	0.834	68.939 MCM

MOMENTARY PEAK 194.00 CMS, AT 8.10 M (A.D), AT 23.00 HOURS, ON OCT 11, 1983
RUNOFF YIELD 6.07 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 540.39 LITERS/SECOND/SQUARE KM

WATER YEAR 1983

PASAK RIVER BASIN

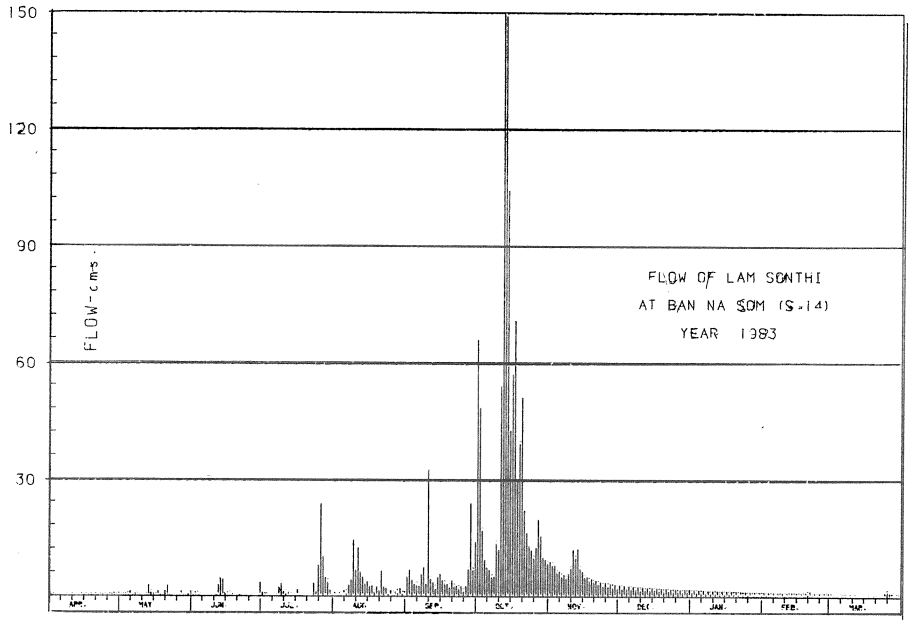
LAM SONTHI AT BAN NA SOM, LOP BURI (S.14)

LOCATION	LAT. 15°-13'-24" N., LONG. 101°-16'-51" E., ON LEFT BANK AT THE BRIDGE ON ROAD, BAN NA SOM, TAMBON NONG YI TO, AMPHOE CHAI BADAN, LOP BURI.
DRAINAGE AREA	1,247 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM	+0.00 M.(A.D.)
BENCH MARK	B.M.-H.D.
LOCATION	ON LEFT BANK AT THE GAGE OBSERVER'S HOUSE.
ELEVATION	+10.065 M.(A.D.)
GAGE READING FREQUENCY	13-TIME DAILY READINGS AT 06.00-18.00 HOURS.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 13 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1978 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1980 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1980 TO DATE.
STABILITY OF CHANNEL REGIMES	STABLE WITH VARIABLE WATER SURFACE SLOPE.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS GOOD. STAGE-DISCHARGE RELATION DEFINED BY 123 DISCHARGE MEASUREMENTS MADE IN 1983.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	1.21	1.23	1.36	1.50	1.34	2.15	6.08	2.52	1.75	1.53	1.38	1.30	
2	1.21	1.23	1.36	1.31	1.36	2.29	5.24	2.51	1.74	1.52	1.37	1.29	
3	1.21	1.25	1.35	1.29	1.34	2.03	3.32	2.43	1.73	1.52	1.36	1.29	
4	1.21	1.30	1.31	1.26	1.37	1.78	2.57	2.29	1.71	1.51	1.36	1.28	
5	1.21	1.40	1.27	1.23	1.47	1.86	2.46	2.25	1.71	1.51	1.35	1.28	
6	1.21	1.32	1.24	1.29	1.50	1.70	2.29	2.18	1.70	1.50	1.35	1.28	
7	1.23	1.27	1.23	1.22	1.74	2.25	2.15	2.14	1.69	1.49	1.34	1.27	
8	1.22	1.25	1.23	1.62	2.03	2.37	2.06	2.11	1.68	1.48	1.34	1.27	
9	1.21	1.24	1.26	1.90	3.06	1.88	3.04	2.17	1.68	1.47	1.33	1.27	
10	1.21	1.25	1.25	1.39	2.37	4.35	2.82	2.42	1.66	1.47	1.35	1.27	
11	1.21	1.25	1.35	1.48	2.88	2.07	5.55	2.83	1.66	1.46	1.35	1.26	
12	1.21	1.25	1.74	1.34	2.32	1.85	8.74	2.68	1.63	1.46	1.35	1.25	
13	1.21	1.73	2.08	1.27	2.05	1.74	9.31	2.85	1.63	1.46	1.36	1.26	
14	1.21	1.47	1.95	1.25	1.90	2.03	7.50	2.41	1.63	1.45	1.35	1.25	
15	1.21	1.27	1.46	1.24	1.87	2.26	4.98	2.24	1.63	1.45	1.35	1.25	
16	1.21	1.24	1.36	1.51	1.84	1.93	5.66	2.14	1.62	1.45	1.35	1.24	
17	1.21	1.41	1.38	1.30	1.71	1.91	6.28	2.06	1.61	1.45	1.33	1.25	
18	1.21	1.40	1.26	1.32	1.52	1.79	4.20	2.02	1.59	1.44	1.34	1.23	
19	1.22	1.25	1.24	1.28	1.66	1.81	4.75	1.99	1.59	1.43	1.35	1.23	
20	1.22	1.59	1.23	1.28	1.63	1.92	5.37	1.96	1.58	1.43	1.44	1.24	
21	1.20	1.71	1.37	1.26	2.26	1.79	3.71	1.93	1.59	1.42	1.44	1.24	
22	1.21	1.34	1.26	1.24	1.77	1.71	3.21	1.90	1.59	1.42	1.33	1.25	
23	1.21	1.27	1.26	1.90	1.60	1.72	2.99	1.87	1.55	1.41	1.33	1.26	
24	1.20	1.26	1.23	1.36	1.48	1.69	2.82	1.84	1.55	1.40	1.33	1.35	
25	1.21	1.25	1.29	2.52	1.47	1.58	2.68	1.85	1.55	1.40	1.32	1.54	
26	1.23	1.30	1.29	3.78	1.41	1.70	2.88	1.83	1.54	1.40	1.33	1.34	
27	1.24	1.41	1.25	2.72	1.38	2.40	3.53	1.81	1.53	1.39	1.34	1.30	
28	1.25	1.33	1.25	2.03	1.53	3.79	3.14	1.79	1.53	1.39	1.33	1.28	
29	1.23	1.26	1.26	1.97	1.58	2.37	2.70	1.77	1.54	1.39	1.33	1.26	
30	1.25	1.42	1.84	1.48	1.42	3.01	2.58	1.76	1.54	1.39		1.29	
31		1.39		1.38	1.42		2.55		1.54	1.38		2.50	
MEAN	1.22	1.34	1.37	1.58	1.75	2.12	4.10	2.15	1.62	1.45	1.35	1.32	
MAX	1.25	1.73	2.08	3.78	3.06	4.35	9.31	2.85	1.75	1.53	1.44	2.50	9.31
MIN	1.20	1.23	1.23	1.22	1.34	1.58	2.06	1.76	1.53	1.38	1.32	1.23	1.20

ANNUAL MAX MOMENTARY GAGE HEIGHT 9.50 M (A.D), AT 6.00 HOURS, ON OCT 13, 1983
ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D), RIVER BED 0.30 M (A.D)
LEFT BANK ELEVATION 9.86 M (A.D)
RIGHT BANK ELEVATION 9.93 M (A.D), DRAINAGE AREA 1247 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.53	0.59	1.04	1.60	0.96	5.65	66.42	8.80	2.90	1.75	1.12	0.80	
2	0.53	0.59	1.04	0.84	1.04	6.72	48.30	8.70	2.84	1.70	1.08	0.77	
3	0.53	0.65	1.00	0.77	0.96	4.81	17.56	7.90	2.78	1.70	1.04	0.77	
4	0.53	0.80	0.84	0.68	1.08	3.08	9.30	6.72	2.66	1.65	1.04	0.74	
5	0.53	1.20	0.71	0.59	1.48	3.62	8.20	6.40	2.66	1.65	1.00	0.74	
6	0.53	0.88	0.62	0.77	1.60	2.60	6.72	5.86	2.60	1.60	1.00	0.74	
7	0.59	0.71	0.59	0.56	2.84	6.40	5.65	5.58	2.55	1.56	0.96	0.71	
8	0.56	0.65	0.59	2.20	4.81	7.36	5.02	5.37	2.50	1.52	0.96	0.71	
9	0.53	0.62	0.68	3.90	14.42	3.76	14.18	5.79	2.50	1.48	0.92	0.71	
10	0.53	0.65	0.65	1.16	7.36	32.40	11.80	7.80	2.40	1.48	1.00	0.71	
11	0.53	0.65	1.00	1.52	12.40	5.09	54.55	11.90	2.40	1.44	1.00	0.68	
12	0.53	0.65	2.84	0.96	6.96	3.55	149.56	10.40	2.25	1.44	1.00	0.65	
13	0.53	2.78	5.16	0.71	4.95	2.84	175.80	12.10	2.25	1.44	1.04	0.68	
14	0.53	1.48	4.25	0.65	3.90	4.81	104.10	7.70	2.25	1.40	1.00	0.65	
15	0.53	0.71	1.44	0.62	3.69	6.48	43.14	6.32	2.25	1.40	1.00	0.65	
16	0.53	0.62	1.04	1.65	3.48	4.11	56.92	5.58	2.20	1.40	1.00	0.62	
17	0.53	1.24	1.12	0.80	2.66	3.97	71.30	5.02	2.15	1.40	0.92	0.65	
18	0.53	1.20	0.68	0.88	1.70	3.14	30.00	4.74	2.05	1.36	0.96	0.59	
19	0.56	0.65	0.62	0.74	2.40	3.27	39.72	4.53	2.05	1.32	1.00	0.59	
20	0.56	2.05	0.59	0.74	2.25	4.04	50.90	4.32	2.00	1.32	1.36	0.62	
21	0.50	2.66	1.08	0.68	6.48	3.14	22.64	4.11	2.05	1.28	1.36	0.62	
22	0.53	0.96	0.68	0.62	3.02	2.66	16.22	3.90	2.05	1.28	0.92	0.65	
23	0.53	0.71	0.68	3.90	2.10	2.72	13.59	3.69	1.85	1.24	0.92	0.68	
24	0.50	0.68	0.59	1.04	1.52	2.55	11.80	3.48	1.85	1.20	0.92	1.00	
25	0.53	0.65	0.77	8.80	1.48	2.00	10.40	3.55	1.85	1.20	0.88	1.80	
26	0.59	0.80	0.77	23.62	1.24	2.60	12.40	3.41	1.80	1.20	0.92	0.96	
27	0.62	1.24	0.65	10.80	1.12	7.60	20.29	3.27	1.75	1.16	0.96	0.80	
28	0.65	0.92	0.65	4.81	1.75	23.76	15.38	3.14	1.75	1.16	0.92	0.74	
29	0.59	0.68	0.68	4.39	2.00	7.36	10.60	3.02	1.80	1.16	0.92	0.68	
30	0.65	1.28	3.48	1.52	1.28	13.82	9.40	2.96	1.80	1.16		0.77	
31		1.16		1.12	1.28		9.10		1.80	1.12		8.60	
TOTAL	16.44	31.11	36.53	83.64	104.21	185.91	1120.96	176.06	68.59	43.17	29.12	31.08	1926.82 CMSDAY
MEAN	0.55	1.00	1.22	2.70	3.36	6.20	36.16	5.87	2.21	1.39	1.00	1.00	5.26 CMS
MAX	0.65	2.78	5.16	23.62	14.42	32.40	175.80	12.10	2.90	1.75	1.36	8.60	175.80 CMS
MIN	0.50	0.59	0.59	0.56	0.96	2.00	5.02	2.96	1.75	1.12	0.88	0.59	0.50 CMS
RUNOFF	1.420	2.688	3.156	7.226	9.004	16.063	96.851	15.212	5.926	3.730	2.516	2.685	166.477 MCM

MOMENTARY PEAK 185.30 CMS, AT 9.50 M (A.D), AT 6.00 HOURS, ON OCT 13, 1983

RUNOFF YIELD 4.22 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 148.60 LITERS/SECOND/SQUARE KM

WATER YEAR 1983

PASAK RIVER BASIN

HUAI WANG CHOMPHU AT BAN WANG CHOMPHU, PHETCHABUN (S.15)

LOCATION — LAT. 16°-15'-36" N., LONG. 101°-02'-07" E., ON RIGHT BANK AT THE BRIDGE OF AMPHOE CHON DAN-BAN SAM YAEK WANG CHOMPHU ROAD, BAN WANG CHOMPHU, AMPHOE MUANG, PHETCHABUN.

DRAINAGE AREA — 15 SQ.KM.

TYPE OF GAGE — STAFF GAGE.

ZERO GAGE AT BOTTOM — +0.00 M. (A.D.)

BENCH MARK — B.M.-H.D.

LOCATION — ON LEFT BANK AT THE ABUTMENT OF THE BRIDGE.

ELEVATION — +4.894 M. (A.D.)

GAGE READING FREQUENCY — 5-TIME DAILY READINGS AT 06.00, 09.00, 12.00, 15.00 AND 18.00 HOURS.

BASIS OF MEAN DAILY GAGE HEIGHT — ARITHMETIC MEAN OF 5 READINGS.

PERIOD OF AVAILABLE GAGE RECORDS — 1979 TO DATE.

RATING OPERATION

PERIOD OF RATING — 1979 TO DATE.

RATED BY FLOAT — -

RATED BY CURRENT METER — 1979 TO DATE.

STABILITY OF CHANNEL REGIMES — STABLE.

OVERBANK FLOW CONDITIONS — NO OVERBANK FLOW.

GENERAL DESCRIPTION — RECORDS FAIR. STAGE-DISCHARGE RELATION DEFINED BY 31 DISCHARGE MEASUREMENTS MADE IN 1983.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

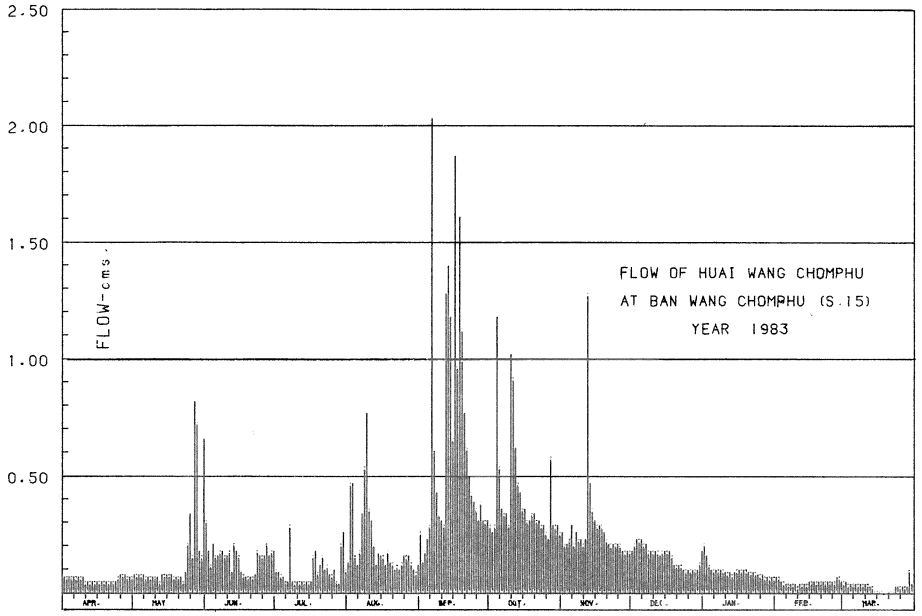
DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	-0.05	-0.04	0.07	-0.02	0.00	0.05	0.06	0.05	0.02	0.03	-0.05	-0.06	
2	-0.05	-0.04	0.02	-0.03	0.12	0.00	0.05	0.03	0.03	0.01	-0.05	-0.06	
3	-0.05	-0.04	-0.01	-0.04	0.12	0.02	0.06	0.03	0.04	-0.01	-0.06	-0.07	
4	-0.05	-0.04	0.03	-0.05	0.01	0.04	0.28	0.04	0.04	-0.02	-0.06	-0.07	
5	-0.05	-0.04	0.01	-0.06	-0.01	0.06	0.14	0.06	0.04	-0.02	-0.07	-0.07	
6	-0.05	-0.05	0.01	-0.06	0.02	0.41	0.09	0.03	0.03	-0.02	-0.07	-0.07	
7	-0.05	-0.05	0.02	0.06	0.08	0.16	0.08	0.05	0.03	-0.02	-0.07	-0.07	
8	-0.05	-0.05	0.02	-0.06	0.14	0.11	0.08	0.04	0.02	-0.02	-0.07	-0.07	
9	-0.05	-0.05	0.01	-0.06	0.20	0.08	0.06	0.04	0.02	-0.02	-0.07	-0.07	
10	-0.06	-0.05	0.01	-0.06	0.09	0.07	0.25	0.03	0.02	-0.03	-0.08	-0.07	
11	-0.06	-0.05	0.02	-0.06	0.07	0.06	0.23	0.04	0.02	-0.03	-0.07	-0.07	
12	-0.06	-0.06	-0.03	-0.06	0.03	0.30	0.16	0.30	0.02	-0.03	-0.07	-0.08	
13	-0.06	-0.04	0.03	-0.06	-0.01	0.32	0.12	0.12	0.01	-0.04	-0.07	-0.08	
14	-0.06	-0.04	0.02	-0.06	0.02	0.28	0.11	0.09	0.02	-0.03	-0.07	-0.09	
15	-0.06	-0.04	0.01	-0.06	0.01	0.17	0.09	0.07	0.02	-0.02	-0.06	-0.09	
16	-0.06	-0.04	-0.03	-0.06	0.01	0.39	0.09	0.06	0.02	-0.02	-0.06	-0.09	
17	-0.06	-0.04	-0.04	0.01	-0.01	0.24	0.07	0.06	0.02	-0.02	-0.06	-0.09	
18	-0.06	-0.05	-0.05	0.02	0.02	0.35	0.07	0.06	0.01	-0.02	-0.06	-0.09	
19	-0.06	-0.05	-0.05	-0.03	0.00	0.27	0.08	0.05	-0.01	-0.02	-0.06	-0.09	
20	-0.06	-0.05	-0.05	-0.01	0.00	0.20	0.08	0.04	-0.01	-0.03	-0.06	-0.09	
21	-0.06	-0.05	-0.05	0.01	-0.02	0.16	0.07	0.03	-0.01	-0.03	-0.06	-0.09	
22	-0.06	-0.06	-0.04	-0.02	-0.01	0.13	0.07	0.03	-0.01	-0.03	-0.06	-0.09	
23	-0.06	-0.03	0.02	-0.01	-0.02	0.11	0.06	0.03	-0.02	-0.03	-0.06	-0.07	
24	-0.05	0.03	0.01	-0.04	0.00	0.10	0.06	0.03	-0.02	-0.04	-0.06	-0.08	
25	-0.04	0.08	0.01	-0.04	0.01	0.09	0.05	0.03	-0.02	-0.04	-0.06	-0.08	
26	-0.04	0.01	0.01	-0.02	0.01	0.07	0.04	0.03	-0.02	-0.04	-0.06	-0.08	
27	-0.04	0.21	0.03	-0.06	0.01	0.10	0.15	0.02	-0.02	-0.05	-0.05	-0.08	
28	-0.05	0.19	0.01	-0.07	0.00	0.07	0.06	0.02	-0.02	-0.05	-0.05	-0.08	
29	-0.05	0.02	0.02	0.03	-0.02	0.07	0.06	0.02	-0.02	-0.05	-0.06	-0.02	
30	-0.05	0.01	0.02	0.05	-0.03	0.07	0.06	0.02	0.00	-0.05		-0.07	
31		0.17		-0.02	-0.01		0.05		0.02	-0.05		-0.08	
MEAN	-0.05	-0.01	0.00	-0.03	0.03	0.15	0.10	0.05	0.01	-0.03	-0.06	-0.08	
MAX	-0.04	0.21	0.07	0.06	0.20	0.41	0.28	0.30	0.04	0.03	-0.05	-0.02	0.41
MIN	-0.06	-0.06	-0.05	-0.07	-0.03	0.00	0.04	0.02	-0.02	-0.05	-0.08	-0.09	-0.09

ANNUAL MAX MOMENTARY GAGE HEIGHT — 0.90 M (A.D), AT 18.00 HOURS, ON OCT 10, 1983

ZERO GAGE AT BOTTOM ELEVATION — 0.00 M (A.D), RIVER BED — -0.37 M (A.D)

LEFT BANK ELEVATION — 3.85 M (A.D)

RIGHT BANK ELEVATION — 4.86 M (A.D), DRAINAGE AREA — 15 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.07	0.08	0.31	0.10	0.13	0.26	0.29	0.26	0.18	0.21	0.07	0.05	
2	0.07	0.08	0.18	0.09	0.47	0.13	0.26	0.21	0.21	0.16	0.07	0.05	
3	0.07	0.08	0.12	0.08	0.47	0.18	0.29	0.21	0.23	0.12	0.05	0.04	
4	0.07	0.08	0.21	0.07	0.16	0.23	1.18	0.23	0.23	0.10	0.05	0.04	
5	0.07	0.08	0.16	0.05	0.12	0.29	0.54	0.29	0.23	0.10	0.04	0.04	
6	0.07	0.07	0.16	0.05	0.18	2.03	0.36	0.21	0.21	0.10	0.04	0.04	
7	0.07	0.07	0.18	0.29	0.34	0.62	0.34	0.26	0.21	0.10	0.04	0.04	
8	0.07	0.07	0.18	0.05	0.54	0.43	0.34	0.23	0.18	0.10	0.04	0.04	
9	0.07	0.07	0.16	0.05	0.77	0.34	0.29	0.23	0.18	0.10	0.04	0.04	
10	0.05	0.07	0.16	0.05	0.36	0.31	1.02	0.21	0.18	0.09	0.03	0.04	
11	0.05	0.07	0.18	0.05	0.31	0.29	0.92	0.23	0.18	0.09	0.04	0.04	
12	0.05	0.05	0.09	0.05	0.21	1.28	0.62	1.28	0.18	0.09	0.04	0.03	
13	0.05	0.08	0.21	0.05	0.12	1.41	0.47	0.47	0.16	0.08	0.04	0.03	
14	0.05	0.08	0.18	0.05	0.18	1.18	0.43	0.36	0.18	0.09	0.04	0.01	
15	0.05	0.08	0.16	0.05	0.16	0.66	0.36	0.31	0.18	0.10	0.05	0.01	
16	0.05	0.08	0.09	0.05	0.16	1.87	0.36	0.29	0.18	0.10	0.05	0.01	
17	0.05	0.08	0.08	0.16	0.12	0.97	0.31	0.29	0.18	0.10	0.05	0.01	
18	0.05	0.07	0.07	0.18	0.18	1.61	0.31	0.29	0.16	0.10	0.05	0.01	
19	0.05	0.07	0.07	0.09	0.13	1.13	0.34	0.26	0.12	0.10	0.05	0.01	
20	0.05	0.07	0.07	0.12	0.13	0.77	0.34	0.23	0.12	0.09	0.05	0.01	
21	0.05	0.07	0.07	0.16	0.10	0.62	0.31	0.21	0.12	0.09	0.05	0.01	
22	0.05	0.05	0.08	0.10	0.12	0.50	0.31	0.21	0.12	0.09	0.05	0.01	
23	0.05	0.09	0.18	0.12	0.10	0.43	0.29	0.21	0.10	0.09	0.05	0.04	
24	0.07	0.21	0.16	0.08	0.13	0.39	0.29	0.21	0.10	0.08	0.05	0.03	
25	0.08	0.34	0.16	0.08	0.16	0.36	0.26	0.21	0.10	0.08	0.05	0.03	
26	0.08	0.16	0.16	0.10	0.16	0.31	0.23	0.21	0.10	0.08	0.05	0.03	
27	0.08	0.82	0.21	0.05	0.16	0.39	0.58	0.18	0.10	0.07	0.07	0.03	
28	0.07	0.73	0.16	0.04	0.13	0.31	0.29	0.18	0.10	0.07	0.07	0.03	
29	0.07	0.18	0.18	0.21	0.10	0.31	0.29	0.18	0.10	0.07	0.05	0.10	
30	0.07	0.16	0.18	0.26	0.09	0.31	0.29	0.18	0.13	0.07		0.04	
31		0.66		0.10	0.12		0.26		0.18	0.07		0.03	
TOTAL	1.85	4.95	4.56	3.03	6.61	19.92	12.77	8.33	4.93	2.98	1.42	0.97	72.32 CMSDAY
MEAN	0.06	0.16	0.15	0.10	0.21	0.66	0.41	0.28	0.16	0.10	0.05	0.03	0.20 CMS
MAX	0.08	0.82	0.31	0.29	0.77	2.03	1.18	1.28	0.23	0.21	0.07	0.10	2.03 CMS
MIN	0.05	0.05	0.07	0.04	0.09	0.13	0.23	0.18	0.10	0.07	0.03	0.01	0.01 CMS
RUNOFF	0.160	0.428	0.394	0.262	0.571	1.721	1.103	0.720	0.426	0.257	0.123	0.084	6.248 MCM

MOMENTARY PEAK 8.00 CMS, AT 0.90 M (A.D), AT 18.00 HOURS, ON OCT 10, 1983
RUNOFF YIELD 13.17 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 533.33 LITERS/SECOND/SQUARE KM

WATER YEAR 1983

PASAK RIVER BASIN

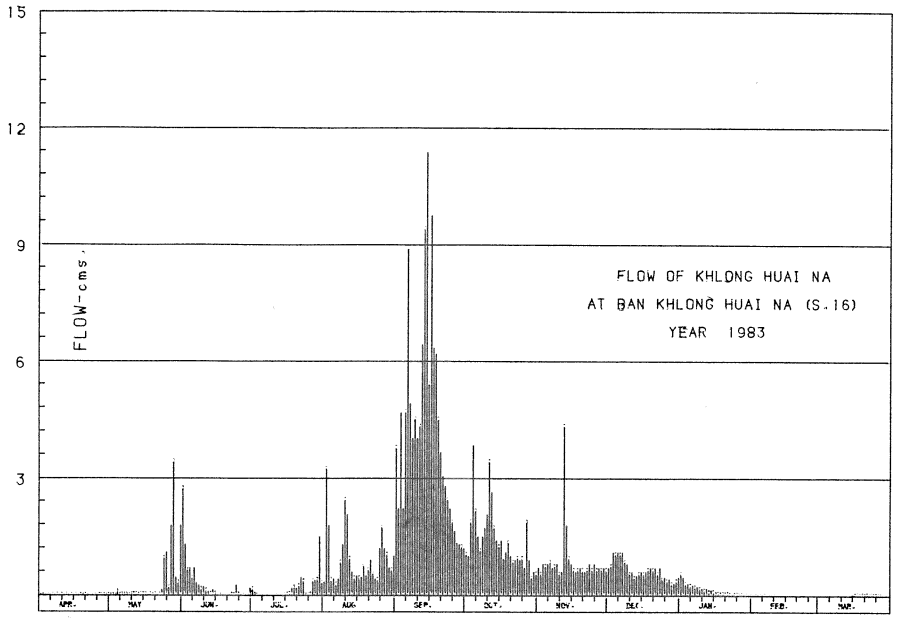
HUAI NA AT BAN HUAI NA, PHETCHABUN (S.16)

LOCATION	LAT. 16°-16'-00" N., LONG. 101°-03'-32" E., ON RIGHT BANK ABOUT 30 METERS DOWNSTREAM FROM THE BRIDGE ON HIGHWAY AT BAN HUAI NA, AMPHOE MUANG, PHETCHABUN.
DRAINAGE AREA	65 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM	+0.00 M. (A.D.)
BENCH MARK	B.M.-H.D.
LOCATION	ON RIGHT BANK AT THE ABUTMENT OF THE BRIDGE.
ELEVATION	+8.339 M. (A.D.)
GAGE READING FREQUENCY	5-TIME DAILY READINGS AT 06.00, 09.00, 12.00, 15.00 AND 18.00 HOURS.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 5 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1979 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1979 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1979 TO DATE.
STABILITY OF CHANNEL REGIMES	STABLE.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS GOOD. STAGE-DISCHARGE RELATION DEFINED BY 29 DISCHARGE MEASUREMENTS MADE IN 1983.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.04	0.05	0.39	0.13	0.16	0.45	0.26	0.22	0.22	0.21	0.05	0.00	
2	0.04	0.05	0.28	0.08	0.42	0.35	0.25	0.21	0.23	0.19	0.05	0.00	
3	0.04	0.05	0.22	0.06	0.32	0.50	0.33	0.23	0.26	0.16	0.05	0.00	
4	0.05	0.11	0.22	0.05	0.19	0.35	0.45	0.23	0.26	0.15	0.05	0.01	
5	0.05	0.07	0.20	0.04	0.18	0.50	0.35	0.23	0.26	0.15	0.05	0.02	
6	0.05	0.06	0.22	0.03	0.16	0.66	0.30	0.24	0.26	0.14	0.05	0.02	
7	0.05	0.07	0.17	0.02	0.18	0.51	0.27	0.22	0.26	0.14	0.04	0.02	
8	0.05	0.06	0.14	0.03	0.24	0.46	0.30	0.23	0.24	0.13	0.04	0.02	
9	0.05	0.06	0.13	0.03	0.28	0.49	0.32	0.23	0.23	0.13	0.04	0.03	
10	0.05	0.07	0.13	0.04	0.37	0.46	0.34	0.21	0.21	0.12	0.04	0.03	
11	0.05	0.08	0.12	0.04	0.34	0.48	0.43	0.21	0.21	0.12	0.04	0.03	
12	0.05	0.08	0.10	0.04	0.25	0.57	0.38	0.48	0.20	0.12	0.03	0.04	
13	0.05	0.07	0.09	0.05	0.21	0.68	0.32	0.32	0.20	0.11	0.03	0.04	
14	0.05	0.08	0.11	0.06	0.20	0.74	0.29	0.25	0.21	0.11	0.03	0.05	
15	0.05	0.08	0.10	0.07	0.20	0.53	0.28	0.23	0.21	0.11	0.02	0.09	
16	0.05	0.07	0.06	0.08	0.20	0.69	0.29	0.22	0.21	0.10	0.02	0.08	
17	0.05	0.07	0.05	0.10	0.19	0.57	0.25	0.21	0.21	0.10	0.02	0.07	
18	0.05	0.07	0.03	0.12	0.23	0.56	0.26	0.22	0.22	0.09	0.01	0.07	
19	0.05	0.07	0.02	0.14	0.20	0.49	0.29	0.22	0.22	0.09	0.00	0.07	
20	0.05	0.07	0.02	0.12	0.22	0.44	0.25	0.22	0.22	0.09	-0.01	0.07	
21	0.04	0.07	0.02	0.15	0.24	0.41	0.24	0.21	0.22	0.09	0.00	0.07	
22	0.04	0.06	0.08	0.19	0.21	0.39	0.24	0.22	0.21	0.08	0.00	0.07	
23	0.04	0.11	0.06	0.18	0.18	0.37	0.25	0.23	0.22	0.08	0.00	0.07	
24	0.04	0.25	0.14	0.07	0.19	0.35	0.24	0.22	0.19	0.08	0.00	0.07	
25	0.05	0.26	0.08	0.06	0.27	0.33	0.25	0.23	0.19	0.07	0.00	0.06	
26	0.05	0.14	0.04	0.09	0.32	0.31	0.22	0.22	0.18	0.07	0.00	0.06	
27	0.05	0.32	0.05	0.18	0.27	0.29	0.33	0.22	0.18	0.07	0.00	0.05	
28	0.05	0.43	0.06	0.17	0.26	0.28	0.24	0.22	0.16	0.06	0.00	0.05	
29	0.05	0.19	0.08	0.19	0.22	0.28	0.20	0.22	0.15	0.06	0.00	0.04	
30	0.05	0.17	0.12	0.30	0.22	0.27	0.21	0.22	0.18	0.06		0.04	
31		0.32		0.17	0.25		0.21		0.19	0.05		0.04	
MEAN	0.05	0.12	0.12	0.10	0.24	0.46	0.29	0.23	0.21	0.11	0.02	0.04	
MAX	0.05	0.43	0.39	0.30	0.42	0.74	0.45	0.48	0.26	0.21	0.05	0.09	0.74
MIN	0.04	0.05	0.02	0.02	0.16	0.27	0.20	0.21	0.15	0.05	-0.01	0.00	-0.01

ANNUAL MAX MOMENTARY GAGE HEIGHT 0.98 M (A.D), AT 5.00 HOURS, ON SEP 14, 1983
ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D), RIVER BED -0.28 M (A.D)
LEFT BANK ELEVATION 5.10 M (A.D)
RIGHT BANK ELEVATION 3.62 M (A.D), DRAINAGE AREA 65 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.04	0.05	2.79	0.22	0.34	3.84	1.10	0.70	0.70	0.60	0.05	0.00	
2	0.04	0.05	1.30	0.08	3.29	2.22	1.00	0.60	0.80	0.46	0.05	0.00	
3	0.04	0.05	0.70	0.06	1.79	4.75	1.93	0.80	1.10	0.34	0.05	0.00	
4	0.05	0.14	0.70	0.05	0.46	2.22	3.84	0.80	1.10	0.30	0.05	0.01	
5	0.05	0.07	0.50	0.04	0.42	4.75	2.22	0.80	1.10	0.30	0.05	0.02	
6	0.05	0.06	0.70	0.03	0.34	8.88	1.50	0.90	1.10	0.26	0.05	0.02	
7	0.05	0.07	0.38	0.02	0.42	4.99	1.20	0.70	1.10	0.26	0.04	0.02	
8	0.05	0.06	0.26	0.03	0.90	4.02	1.50	0.80	0.90	0.22	0.04	0.02	
9	0.05	0.06	0.22	0.03	1.30	4.57	1.79	0.80	0.80	0.22	0.04	0.03	
10	0.05	0.07	0.22	0.04	2.50	4.02	2.07	0.60	0.60	0.18	0.04	0.03	
11	0.05	0.08	0.18	0.04	2.07	4.39	3.48	0.60	0.60	0.18	0.04	0.03	
12	0.05	0.08	0.10	0.04	1.00	6.43	2.64	4.39	0.50	0.18	0.03	0.04	
13	0.05	0.07	0.09	0.05	0.60	9.46	1.79	1.79	0.50	0.14	0.03	0.04	
14	0.05	0.08	0.14	0.06	0.50	11.37	1.40	1.00	0.60	0.14	0.03	0.05	
15	0.05	0.08	0.10	0.07	0.50	5.47	1.30	0.80	0.60	0.14	0.02	0.09	
16	0.05	0.07	0.06	0.08	0.50	9.75	1.40	0.70	0.60	0.10	0.02	0.08	
17	0.05	0.07	0.05	0.10	0.46	6.43	1.00	0.60	0.60	0.10	0.02	0.07	
18	0.05	0.07	0.03	0.18	0.80	6.19	1.10	0.70	0.70	0.09	0.01	0.07	
19	0.05	0.07	0.02	0.26	0.50	4.57	1.40	0.70	0.70	0.09	0.00	0.07	
20	0.05	0.07	0.02	0.18	0.70	3.66	1.00	0.70	0.70	0.09	0.00	0.07	
21	0.04	0.07	0.02	0.30	0.90	3.11	0.90	0.60	0.70	0.09	0.00	0.07	
22	0.04	0.06	0.08	0.46	0.60	2.79	0.90	0.70	0.60	0.08	0.00	0.07	
23	0.04	0.14	0.06	0.42	0.42	2.50	1.00	0.80	0.70	0.08	0.00	0.07	
24	0.04	1.00	0.26	0.07	0.46	2.22	0.90	0.70	0.46	0.08	0.00	0.07	
25	0.05	1.10	0.08	0.06	1.20	1.93	1.00	0.80	0.46	0.07	0.00	0.06	
26	0.05	0.26	0.04	0.09	1.79	1.64	0.70	0.70	0.42	0.07	0.00	0.06	
27	0.05	1.79	0.05	0.42	1.20	1.40	1.93	0.70	0.42	0.07	0.00	0.05	
28	0.05	3.48	0.06	0.38	1.10	1.30	0.90	0.70	0.34	0.06	0.00	0.05	
29	0.05	0.46	0.08	0.46	0.70	1.30	0.50	0.70	0.30	0.06	0.00	0.04	
30	0.05	0.38	0.18	1.50	0.70	1.20	0.60	0.70	0.42	0.06		0.04	
31		1.79		0.38	1.00		0.60		0.46	0.05		0.04	
TOTAL	1.43	11.95	9.47	6.20	29.46	131.37	44.59	26.58	20.68	5.16	0.66	1.38	288.93 CMSDAY
MEAN	0.05	0.39	0.32	0.20	0.95	4.38	1.44	0.89	0.67	0.17	0.02	0.04	0.79 CMS
MAX	0.05	3.48	2.79	1.50	3.29	11.37	3.84	4.39	1.10	0.60	0.05	0.09	11.37 CMS
MIN	0.04	0.05	0.02	0.02	0.34	1.20	0.50	0.60	0.30	0.05	0.00	0.00	0.00 CMS
RUNOFF	0.124	1.032	0.818	0.536	2.545	11.350	3.853	2.297	1.787	0.446	0.057	0.119	24.964 MCM

MOMENTARY PEAK 20.21 CMS, AT 0.98 M (A.D), AT 5.00 HOURS, ON SEP 14, 1983

RUNOFF YIELD 12.15 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 310.86 LITERS/SECOND/SQUARE KM

WATER YEAR 1983

PASAK RIVER BASIN

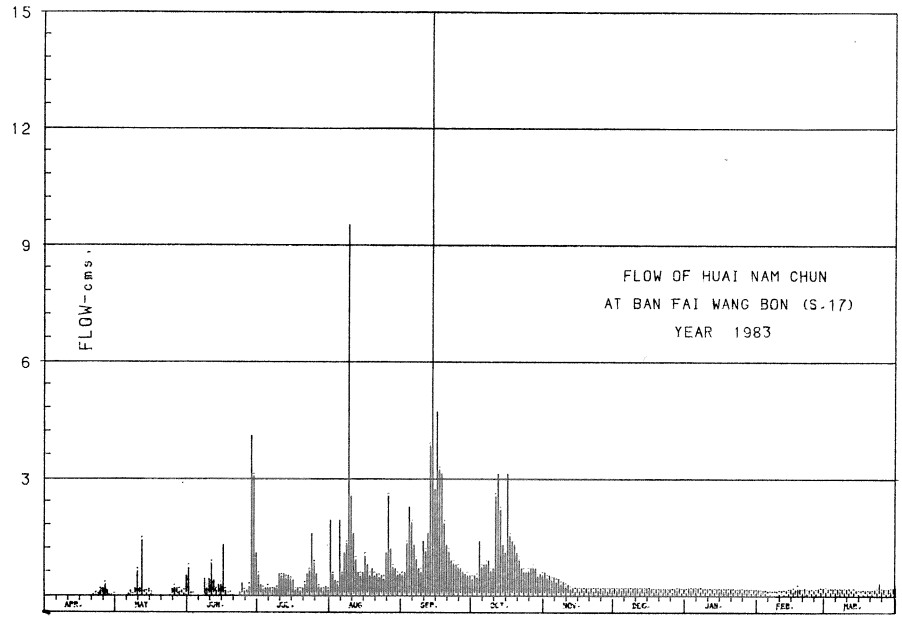
HUAI NAM CHUN AT BAN FAI WANG BON, PHETCHABUN (S.17)

LOCATION	LAT. 16°-45'-43" N., LONG. 101°-08'-44" E., ON LEFT BANK NEAR THE BRIDGE OF PHITSANULOK-LOMSAK ROAD, BAN FAI WANG BON, AMPHOE LOM SAK, PHETCHABUN.
DRAINAGE AREA	67 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM	+0.00 M. (A.D.)
BENCH MARK	B.M.-H.D.
LOCATION	ON RIGHT BANK AT THE ABUTMENT OF THE BRIDGE.
ELEVATION	+5.982 M. (A.D.)
GAGE READING FREQUENCY	5-TIME DAILY READINGS AT 06.00, 09.00, 12.00, 15.00 AND 18.00 HOURS.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 5 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1979 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1979 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1979 TO DATE.
STABILITY OF CHANNEL REGIMES	STABLE.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS FAIR. STAGE-DISCHARGE RELATION DEFINED BY 30 DISCHARGE MEASUREMENTS MADE IN 1983

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.01	0.01	0.22	0.20	0.32	0.20	0.18	0.20	0.10	0.09	0.08	0.10	
2	0.00	0.01	0.05	0.12	0.20	0.20	0.18	0.18	0.10	0.10	0.07	0.09	
3	0.00	0.01	0.04	0.11	0.15	0.28	0.19	0.18	0.10	0.10	0.07	0.09	
4	0.00	0.01	0.02	0.10	0.14	0.34	0.28	0.17	0.10	0.10	0.07	0.09	
5	0.00	0.01	0.01	0.12	0.32	0.32	0.22	0.17	0.10	0.10	0.06	0.09	
6	0.00	0.05	0.01	0.10	0.20	0.27	0.22	0.16	0.10	0.10	0.06	0.09	
7	0.00	0.07	0.01	0.10	0.25	0.24	0.23	0.16	0.10	0.10	0.06	0.09	
8	0.00	0.03	0.16	0.10	0.28	0.21	0.23	0.14	0.10	0.09	0.06	0.09	
9	0.00	0.10	0.12	0.11	0.67	0.21	0.21	0.14	0.10	0.09	0.06	0.09	
10	0.00	0.21	0.16	0.19	0.36	0.28	0.21	0.13	0.10	0.09	0.07	0.09	
11	0.00	0.10	0.23	0.19	0.30	0.26	0.36	0.12	0.10	0.09	0.07	0.09	
12	0.00	0.29	0.15	0.19	0.24	0.30	0.39	0.11	0.10	0.09	0.07	0.07	
13	0.00	0.07	0.10	0.18	0.20	0.43	0.34	0.10	0.10	0.09	0.07	0.09	
14	0.00	0.07	0.12	0.18	0.20	0.96	0.27	0.10	0.10	0.09	0.08	0.07	
15	0.00	0.09	0.14	0.17	0.20	0.37	0.26	0.10	0.10	0.09	0.09	0.07	
16	0.00	0.05	0.27	0.15	0.25	0.47	0.39	0.10	0.10	0.09	0.10	0.07	
17	0.00	0.02	0.10	0.10	0.22	0.40	0.30	0.10	0.09	0.09	0.08	0.07	
18	0.00	0.01	0.05	0.10	0.20	0.39	0.28	0.10	0.09	0.09	0.12	0.07	
19	0.00	0.01	0.05	0.10	0.21	0.32	0.28	0.10	0.09	0.09	0.09	0.07	
20	0.00	0.01	0.02	0.10	0.20	0.27	0.25	0.10	0.09	0.09	0.08	0.07	
21	0.02	0.01	0.01	0.14	0.19	0.26	0.24	0.10	0.09	0.09	0.10	0.07	
22	0.04	0.01	0.01	0.19	0.19	0.23	0.21	0.10	0.09	0.08	0.08	0.08	
23	0.03	0.01	0.07	0.21	0.18	0.23	0.21	0.10	0.09	0.08	0.08	0.09	
24	0.10	0.03	0.13	0.30	0.18	0.22	0.20	0.10	0.09	0.09	0.08	0.13	
25	0.10	0.09	0.09	0.23	0.25	0.22	0.21	0.10	0.09	0.09	0.07	0.09	
26	0.14	0.12	0.07	0.19	0.36	0.21	0.21	0.10	0.09	0.08	0.08	0.09	
27	0.07	0.10	0.13	0.12	0.26	0.21	0.22	0.10	0.09	0.08	0.09	0.08	
28	0.01	0.10	0.44	0.10	0.22	0.19	0.21	0.10	0.10	0.08	0.10	0.09	
29	0.02	0.07	0.39	0.10	0.21	0.20	0.19	0.10	0.10	0.08	0.10	0.09	
30	0.03	0.08	0.25	0.11	0.20	0.18	0.19	0.10	0.09	0.08		0.10	
31		0.18		0.10	0.19		0.20		0.09	0.08		0.12	
MEAN	0.02	0.07	0.12	0.15	0.24	0.30	0.24	0.12	0.10	0.09	0.08	0.09	
MAX	0.14	0.29	0.44	0.30	0.67	0.96	0.39	0.20	0.10	0.10	0.12	0.13	0.96
MIN	0.00	0.01	0.01	0.10	0.14	0.18	0.18	0.10	0.09	0.08	0.06	0.07	0.00

ANNUAL MAX MOMENTARY GAGE HEIGHT 1.36 M (A.D), AT 7.00 HOURS, ON AUG 9, 1983
ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D), RIVER BED -0.17 M (A.D)
LEFT BANK ELEVATION 7.49 M (A.D)
RIGHT BANK ELEVATION 7.32 M (A.D), DRAINAGE AREA 67 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.02	0.02	0.80	0.60	1.94	0.60	0.52	0.60	0.20	0.18	0.16	0.20	
2	0.00	0.02	0.10	0.28	0.60	0.60	0.52	0.52	0.20	0.20	0.14	0.18	
3	0.00	0.02	0.08	0.24	0.40	1.40	0.56	0.52	0.20	0.20	0.14	0.18	
4	0.00	0.02	0.04	0.20	0.36	2.28	1.40	0.48	0.20	0.20	0.14	0.18	
5	0.00	0.02	0.02	0.28	1.94	1.94	0.80	0.48	0.20	0.20	0.12	0.18	
6	0.00	0.10	0.02	0.20	0.60	1.30	0.80	0.44	0.20	0.20	0.12	0.18	
7	0.00	0.14	0.02	0.20	1.10	1.00	0.90	0.44	0.20	0.20	0.12	0.18	
8	0.00	0.06	0.44	0.20	1.40	0.70	0.90	0.36	0.20	0.18	0.12	0.18	
9	0.00	0.20	0.28	0.24	9.52	0.70	0.70	0.36	0.20	0.18	0.12	0.18	
10	0.00	0.70	0.44	0.56	2.62	1.40	0.70	0.32	0.20	0.18	0.14	0.18	
11	0.00	0.20	0.90	0.56	1.60	1.20	2.62	0.28	0.20	0.18	0.14	0.18	
12	0.00	1.50	0.40	0.56	1.00	1.60	3.13	0.24	0.20	0.18	0.14	0.14	
13	0.00	0.14	0.20	0.52	0.60	3.91	2.28	0.20	0.20	0.18	0.14	0.18	
14	0.00	0.14	0.28	0.52	0.60	17.65	1.30	0.20	0.20	0.18	0.16	0.14	
15	0.00	0.18	0.36	0.48	0.60	2.79	1.20	0.20	0.20	0.18	0.18	0.14	
16	0.00	0.10	1.30	0.40	1.10	4.72	3.13	0.20	0.20	0.18	0.20	0.14	
17	0.00	0.04	0.20	0.20	0.80	3.30	1.60	0.20	0.18	0.18	0.16	0.14	
18	0.00	0.02	0.10	0.20	0.60	3.13	1.40	0.20	0.18	0.18	0.28	0.14	
19	0.00	0.02	0.10	0.20	0.70	1.94	1.40	0.20	0.18	0.18	0.18	0.14	
20	0.00	0.02	0.04	0.20	0.60	1.30	1.10	0.20	0.18	0.18	0.16	0.14	
21	0.04	0.02	0.02	0.36	0.56	1.20	1.00	0.20	0.18	0.18	0.20	0.14	
22	0.08	0.02	0.02	0.56	0.56	0.90	0.70	0.20	0.18	0.16	0.16	0.16	
23	0.06	0.02	0.14	0.70	0.52	0.90	0.70	0.20	0.18	0.16	0.16	0.18	
24	0.20	0.06	0.32	1.60	0.52	0.80	0.60	0.20	0.18	0.18	0.16	0.32	
25	0.20	0.18	0.18	0.90	1.10	0.80	0.70	0.20	0.18	0.18	0.14	0.18	
26	0.36	0.28	0.14	0.56	2.62	0.70	0.70	0.20	0.18	0.16	0.16	0.18	
27	0.14	0.20	0.32	0.28	1.20	0.70	0.80	0.20	0.18	0.16	0.18	0.16	
28	0.02	0.20	4.11	0.20	0.80	0.56	0.70	0.20	0.20	0.16	0.20	0.18	
29	0.04	0.14	3.13	0.20	0.70	0.60	0.56	0.20	0.20	0.16	0.20	0.18	
30	0.06	0.16	1.10	0.24	0.60	0.52	0.56	0.20	0.18	0.16		0.20	
31		0.52		0.20	0.56		0.60		0.18	0.16		0.28	
TOTAL	1.22	5.46	15.60	12.64	38.42	61.14	34.58	8.64	5.94	5.54	4.62	5.46	199.26 CMSDAY
MEAN	0.04	0.18	0.52	0.41	1.24	2.04	1.12	0.29	0.19	0.18	0.16	0.18	0.54 CMS
MAX	0.36	1.50	4.11	1.60	9.52	17.65	3.13	0.60	0.20	0.20	0.28	0.32	17.65 CMS
MIN	0.00	0.02	0.02	0.20	0.36	0.52	0.52	0.20	0.18	0.16	0.12	0.14	0.00 CMS
RUNOFF	0.105	0.472	1.348	1.092	3.319	5.282	2.988	0.746	0.513	0.479	0.399	0.472	17.216 MCM

MOMENTARY PEAK 30.58 CMS, AT 1.36 M (A.D), AT 7.00 HOURS, ON AUG 9, 1983

RUNOFF YIELD 8.13 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 456.42 LITERS/SECOND/SQUARE KM

WATER YEAR 1983

PASAK RIVER BASIN

HUAI KHON KAEN AT BAN WANG KHON DU, PHETCHABUN (S.19)

LOCATION — LAT. 16°-49'-16" N., LONG. 101°-21'-58" E., ON RIGHT BANK AT BAN WANG KHON DU, TAMBON HUAI RAI, AMPHOE LOM SAK, PHETCHABUN.

DRAINAGE AREA — 323 SQ.KM.

TYPE OF GAGE — STAFF GAGE.

ZERO GAGE AT BOTTOM — +0.00 M.(A.D.)

BENCH MARK — B.M.-H.D.

LOCATION — ON RIGHT BANK ABOUT 30 METERS FROM THE TOP OF STAFF GAGE.

ELEVATION — +8.036 M.(A.D.)

GAGE READING FREQUENCY — 5-TIME DAILY READINGS AT 06.00, 09.00, 12.00, 15.00 AND 18.00 HOURS.

BASIS OF MEAN DAILY GAGE HEIGHT — ARITHMETIC MEAN OF 5 READINGS.

PERIOD OF AVAILABLE GAGE RECORDS — 1983 TO DATE.

RATING OPERATION

PERIOD OF RATING — 1983 TO DATE.

RATED BY FLOAT — -

RATED BY CURRENT METER — 1983 TO DATE.

STABILITY OF CHANNEL REGIMES — STABLE.

OVERBANK FLOW CONDITIONS — NO OVERBANK FLOW.

GENERAL DESCRIPTION — RECORDS POOR. STREAM GAGING BEGAN ON MAY 14, 1983. STAGE-DISCHARGE RELATION DEFINED BY 27 DISCHARGE MEASUREMENTS MADE IN 1983.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

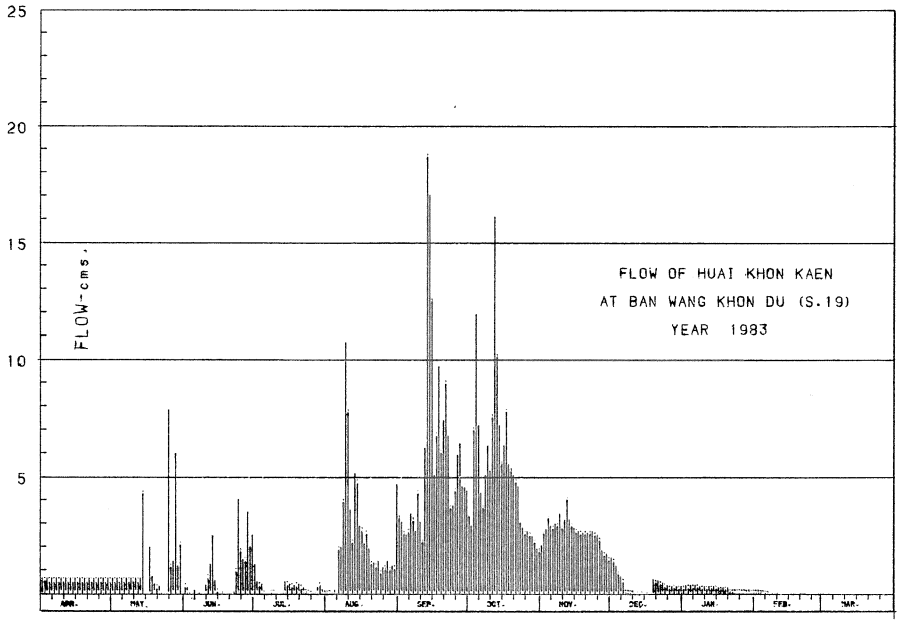
DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	*******	*******	0.65	0.81	0.57	1.06	1.07	0.90	0.83	0.63	0.60	0.48	
2	*******	*******	0.62	0.67	0.57	1.03	1.01	0.98	0.82	0.64	0.59	0.48	
3	*******	*******	0.52	0.66	0.56	0.98	1.45	0.99	0.78	0.64	0.58	0.48	
4	*******	*******	0.45	0.65	0.58	0.96	1.84	1.06	0.74	0.64	0.57	0.48	
5	*******	*******	0.61	0.57	0.56	0.99	1.47	1.01	0.71	0.64	0.56	0.47	
6	*******	*******	0.46	0.55	0.89	1.07	1.17	1.01	0.69	0.64	0.55	0.47	
7	*******	*******	0.53	0.58	0.89	1.05	1.11	1.02	0.60	0.64	0.53	0.47	
8	*******	*******	0.53	0.58	1.14	0.98	1.25	1.02	0.59	0.63	0.51	0.46	
9	*******	*******	0.54	0.58	1.75	1.18	1.39	1.07	0.58	0.63	0.51	0.46	
10	*******	*******	0.64	0.57	1.52	1.03	1.27	1.01	0.57	0.63	0.51	0.45	
11	*******	*******	0.72	0.57	1.09	0.93	1.50	1.04	0.56	0.63	0.51	0.37	
12	*******	*******	0.79	0.56	0.93	1.37	2.13	1.15	0.55	0.63	0.51	0.37	
13	*******	*******	0.97	0.59	1.26	2.30	1.71	1.04	0.55	0.63	0.52	0.37	
14	*******	1.18	0.68	0.67	1.23	2.19	1.46	1.02	0.54	0.63	0.52	0.37	
15	*******	0.53	0.61	0.67	1.01	1.89	1.31	1.00	0.54	0.63	0.51	0.37	
16	*******	0.46	0.51	0.65	1.00	1.25	1.38	0.99	0.53	0.62	0.51	0.37	
17	*******	0.89	0.54	0.65	0.91	1.43	1.52	0.98	0.52	0.62	0.50	0.37	
18	*******	0.73	0.51	0.64	0.98	1.67	1.30	0.98	0.48	0.62	0.50	0.37	
19	*******	0.65	0.49	0.66	0.88	1.36	1.28	0.97	0.69	0.62	0.50	0.37	
20	*******	0.64	0.50	0.65	0.81	1.48	1.25	0.98	0.68	0.62	0.50	0.37	
21	*******	0.63	0.45	0.64	0.80	1.62	1.23	0.97	0.68	0.60	0.50	0.37	
22	*******	0.51	0.54	0.62	0.79	1.42	1.20	0.98	0.67	0.60	0.50	0.37	
23	*******	0.42	0.76	0.60	0.81	1.11	1.04	0.98	0.66	0.60	0.49	0.37	
24	*******	0.50	1.14	0.59	0.75	1.11	1.00	0.97	0.65	0.60	0.49	0.37	
25	*******	1.52	0.88	0.55	0.77	1.19	0.98	0.96	0.64	0.60	0.49	0.37	
26	*******	0.79	0.82	0.55	0.78	1.34	0.98	0.94	0.63	0.60	0.49	0.37	
27	*******	0.81	0.83	0.57	0.81	1.40	0.97	0.87	0.63	0.60	0.49	0.37	
28	*******	1.36	1.08	0.62	0.77	1.20	0.95	0.86	0.64	0.59	0.49	0.37	
29	*******	0.78	0.91	0.66	0.78	1.21	0.93	0.85	0.63	0.59	0.48	0.37	
30	*******	0.92	0.96	0.60	0.78	1.18	0.88	0.83	0.63	0.59		0.37	
31		0.60		0.57	1.21		0.88		0.63	0.59		0.37	
MEAN	*******	*******	0.67	0.62	0.91	1.30	1.26	0.98	0.63	0.62	0.52	0.40	
MAX	*******	1.52	1.14	0.81	1.75	2.30	2.13	1.15	0.83	0.64	0.60	0.48	2.30
MIN	*******	*******	0.45	0.55	0.56	0.93	0.88	0.83	0.48	0.59	0.48	0.37	*******

ANNUAL MAX MOMENTARY GAGE HEIGHT — 2.90 M (A.D), AT 15.00 HOURS, ON OCT 12, 1983

ZERO GAGE AT BOTTOM ELEVATION — 0.00 M (A.D), RIVER BED — 0.37 M (A.D)

LEFT BANK ELEVATION — 6.38 M (A.D)

RIGHT BANK ELEVATION — 6.99 M (A.D), DRAINAGE AREA — 323 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	********	********	0.45	1.42	0.15	3.36	3.45	2.10	1.57	0.35	0.20	0.02	
2	********	********	0.30	0.55	0.15	3.10	2.93	2.70	1.50	0.40	0.18	0.02	
3	********	********	0.06	0.50	0.13	2.70	7.10	2.78	1.22	0.40	0.17	0.02	
4	********	********	0.00	0.45	0.17	2.55	11.94	3.36	0.96	0.40	0.15	0.02	
5	********	********	0.25	0.15	0.13	2.78	7.32	2.93	0.76	0.40	0.13	0.01	
6	********	********	0.01	0.12	2.02	3.45	4.33	2.93	0.65	0.40	0.12	0.01	
7	********	********	0.08	0.17	2.02	3.27	3.79	3.02	0.20	0.40	0.08	0.01	
8	********	********	0.08	0.17	4.06	2.70	5.08	3.02	0.18	0.35	0.05	0.01	
9	********	********	0.10	0.17	10.75	4.42	6.45	3.45	0.17	0.35	0.05	0.01	
10	********	********	0.40	0.15	7.89	3.10	5.27	2.93	0.15	0.35	0.05	0.00	
11	********	********	0.83	0.15	3.62	2.33	7.65	3.19	0.13	0.35	0.05	0.00	
12	********	********	1.29	0.13	2.33	6.25	16.12	4.15	0.12	0.35	0.05	0.00	
13	********	********	2.63	0.18	5.17	18.80	10.23	3.19	0.12	0.35	0.06	0.00	
14	********	4.42	0.60	0.55	4.89	17.05	7.21	3.02	0.10	0.35	0.06	0.00	
15	********	0.08	0.25	0.55	2.93	12.61	5.65	2.85	0.10	0.35	0.05	0.00	
16	********	0.01	0.05	0.45	2.85	5.08	6.35	2.78	0.08	0.30	0.05	0.00	
17	********	2.02	0.10	0.45	2.18	6.88	7.89	2.70	0.06	0.30	0.03	0.00	
18	********	0.90	0.05	0.40	2.70	9.72	5.55	2.70	0.02	0.30	0.03	0.00	
19	********	0.45	0.02	0.50	1.95	6.15	5.36	2.63	0.65	0.30	0.03	0.00	
20	********	0.40	0.03	0.45	1.42	7.43	5.08	2.70	0.60	0.30	0.03	0.00	
21	********	0.35	0.00	0.40	1.35	9.10	4.89	2.63	0.60	0.20	0.03	0.00	
22	********	0.05	0.10	0.30	1.29	6.77	4.60	2.70	0.55	0.20	0.03	0.00	
23	********	0.00	1.09	0.20	1.42	3.79	3.19	2.70	0.50	0.20	0.02	0.00	
24	********	0.03	4.06	0.18	1.02	3.79	2.85	2.63	0.45	0.20	0.02	0.00	
25	********	7.89	1.95	0.12	1.15	4.51	2.70	2.55	0.40	0.20	0.02	0.00	
26	********	1.29	1.50	0.12	1.22	5.95	2.70	2.40	0.35	0.20	0.02	0.00	
27	********	1.42	1.57	0.15	1.42	6.55	2.63	1.88	0.35	0.20	0.02	0.00	
28	********	6.15	3.53	0.30	1.15	4.60	2.48	1.80	0.40	0.18	0.02	0.00	
29	********	1.22	2.18	0.50	1.22	4.70	2.33	1.73	0.35	0.18	0.02	0.00	
30	********	2.25	2.55	0.20	1.22	4.42	1.95	1.57	0.35	0.18		0.00	
31		0.20		0.15	4.70		1.95		0.35	0.18		0.00	
TOTAL	********	********	26.11	10.28	74.67	177.91	167.02	81.72	13.99	9.17	1.82	0.13	******** CMSDAY
MEAN	********	********	0.87	0.33	2.41	5.93	5.39	2.72	0.45	0.30	0.06	0.00	******** CMS
MAX	********	7.89	4.06	1.42	10.75	18.80	16.12	4.15	1.57	0.40	0.20	0.02	18.80 CMS
MIN	********	********	0.00	0.12	0.13	2.33	1.95	1.57	0.02	0.18	0.02	0.00	******** CMS
RUNOFF	********	********	2.256	0.888	6.451	15.371	14.431	7.061	1.209	0.792	0.157	0.011	******** MCM

MOMENTARY PEAK 29.30 CMS, AT 2.90 M (A.D), AT 15.00 HOURS, ON OCT 12, 1983

RUNOFF YIELD ********* LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 90.71 LITERS/SECOND/SQUARE KM

WATER YEAR 1983

PASAK RIVER BASIN

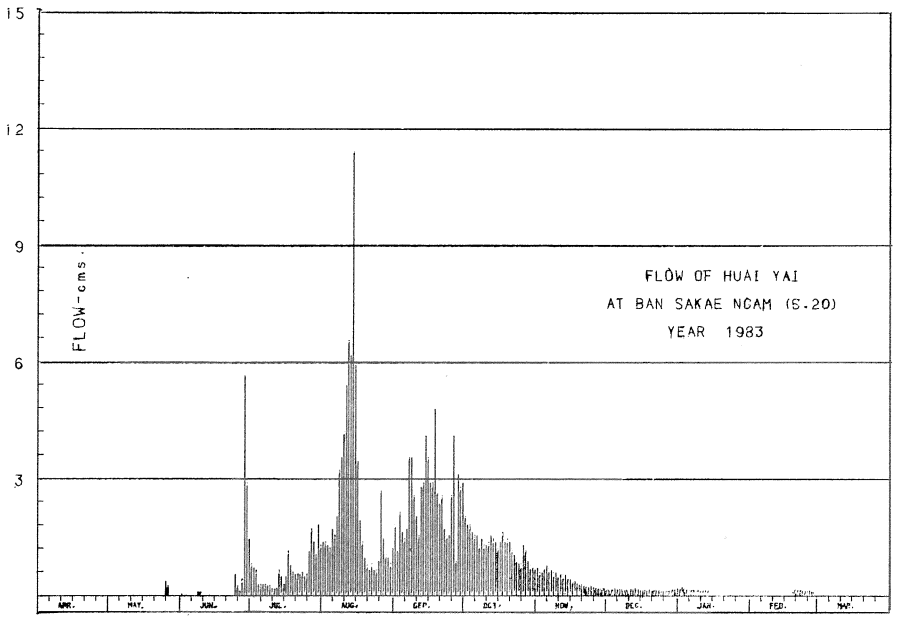
HUAI YAI AT BAN SAKAE NGAM, PHETCHABUN (S.20)

LOCATION	LAT. 16°-28'-14" N., LONG. 101°-19'-27" E., ON RIGHT BANK AT BAN SA KAE NGAM, TAMBON HUAI YAI, AMPHOE MUANG, PHETCHABUN.
DRAINAGE AREA	74 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM	+0.00 M.(A.D.)
BENCH MARK	B.M._H.D.
LOCATION	ON RIGHT BANK ABOUT 24.30 METERS FROM THE NORTH OF THE TOP OF STAFF GAGE.
ELEVATION	+3.70 M.(A.D.)
GAGE READING FREQUENCY	5-TIME DAILY READINGS AT 06.00, 09.00, 12.00, 15.00 AND 18.00 HOURS.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 5 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1983 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1983 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1983 TO DATE.
STABILITY OF CHANNEL REGIMES	STABLE.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS POOR. STREAM GAGING BEGAN ON MAY 25, 1983. STAGE-DISCHARGE RELATION DEFINED BY 27 DISCHARGE MEASUREMENTS MADE IN 1983.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	*******	*******	0.32	0.49	0.56	0.61	0.63	0.47	0.35	0.36	0.29	0.30	
2	*******	*******	0.29	0.47	0.56	0.53	0.61	0.46	0.35	0.37	0.28	0.29	
3	*******	*******	0.27	0.46	0.55	0.64	0.61	0.45	0.35	0.36	0.28	0.28	
4	*******	*******	0.25	0.39	0.54	0.59	0.59	0.48	0.35	0.35	0.28	0.27	
5	*******	*******	0.22	0.39	0.60	0.57	0.58	0.48	0.35	0.34	0.28	0.26	
6	*******	*******	0.20	0.39	0.58	0.60	0.58	0.47	0.35	0.34	0.28	0.26	
7	*******	*******	0.21	0.39	0.63	0.77	0.55	0.46	0.35	0.34	0.28	0.26	
8	*******	*******	0.32	0.38	0.74	0.77	0.57	0.45	0.35	0.33	0.28	0.26	
9	*******	*******	0.32	0.38	0.77	0.68	0.55	0.45	0.35	0.33	0.28	0.26	
10	*******	*******	0.30	0.36	0.83	0.63	0.55	0.45	0.35	0.33	0.28	0.26	
11	*******	*******	0.28	0.35	0.93	0.58	0.56	0.44	0.35	0.33	0.28	0.26	
12	*******	*******	0.27	0.36	1.02	0.70	0.58	0.44	0.35	0.33	0.28	0.26	
13	*******	*******	0.28	0.46	0.99	0.71	0.57	0.44	0.35	0.32	0.27	0.26	
14	*******	*******	0.29	0.43	1.38	0.82	0.56	0.44	0.34	0.32	0.27	0.26	
15	*******	*******	0.26	0.39	0.97	0.77	0.54	0.42	0.34	0.32	0.27	0.26	
16	*******	*******	0.24	0.43	0.76	0.71	0.56	0.42	0.34	0.32	0.27	0.26	
17	*******	*******	0.23	0.53	0.62	0.71	0.59	0.41	0.34	0.31	0.27	0.26	
18	*******	*******	0.22	0.48	0.56	0.88	0.56	0.40	0.34	0.31	0.27	0.26	
19	*******	*******	0.21	0.45	0.51	0.69	0.57	0.39	0.34	0.31	0.32	0.26	
20	*******	*******	0.20	0.44	0.48	0.66	0.56	0.39	0.34	0.30	0.34	0.26	
21	*******	*******	0.20	0.44	0.46	0.68	0.54	0.38	0.34	0.30	0.34	0.26	
22	*******	*******	0.19	0.44	0.49	0.60	0.52	0.37	0.34	0.30	0.34	0.26	
23	*******	*******	0.21	0.45	0.46	0.58	0.51	0.37	0.34	0.30	0.33	0.26	
24	*******	*******	0.44	0.43	0.46	0.58	0.49	0.37	0.33	0.30	0.33	0.26	
25	*******	0.41	0.38	0.44	0.50	0.68	0.49	0.37	0.33	0.30	0.33	0.26	
26	*******	0.38	0.33	0.53	0.69	0.82	0.55	0.36	0.33	0.30	0.33	0.26	
27	*******	0.27	0.42	0.60	0.57	0.50	0.54	0.36	0.33	0.30	0.32	0.26	
28	*******	0.25	0.95	0.56	0.52	0.73	0.50	0.36	0.33	0.30	0.32	0.26	
29	*******	0.22	0.71	0.52	0.51	0.70	0.48	0.36	0.35	0.29	0.30	0.26	
30	*******	0.24	0.57	0.61	0.49	0.71	0.47	0.35	0.36	0.29		0.26	
31		0.28		0.55	0.54		0.48		0.36	0.28		0.28	
MEAN	*******	*******	0.32	0.45	0.65	0.67	0.55	0.42	0.34	0.32	0.30	0.26	
MAX	*******	0.41	0.95	0.61	1.38	0.88	0.63	0.48	0.36	0.37	0.34	0.30	1.38
MIN	*******	*******	0.19	0.35	0.46	0.50	0.47	0.35	0.33	0.28	0.27	0.26	*******

ANNUAL MAX MOMENTARY GAGE HEIGHT 2.60 M (A.D), AT 15.00 HOURS, ON AUG 14, 1983
ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D), RIVER BED 0.15 M (A.D)
LEFT BANK ELEVATION 6.03 M (A.D)
RIGHT BANK ELEVATION 3.81 M (A.D), DRAINAGE AREA 74 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	*******	*******	0.09	0.83	1.38	1.82	2.03	0.72	0.17	0.20	0.03	0.03	
2	*******	*******	0.03	0.72	1.38	1.14	1.82	0.66	0.17	0.23	0.02	0.03	
3	*******	*******	0.02	0.66	1.30	2.14	1.82	0.60	0.17	0.20	0.02	0.02	
4	*******	*******	0.01	0.29	1.22	1.63	1.63	0.78	0.17	0.17	0.02	0.02	
5	*******	*******	0.01	0.29	1.71	1.46	1.55	0.78	0.17	0.15	0.02	0.02	
6	*******	*******	0.00	0.29	1.55	1.71	1.55	0.72	0.17	0.15	0.02	0.02	
7	*******	*******	0.00	0.29	2.03	3.55	1.30	0.66	0.17	0.15	0.02	0.02	
8	*******	*******	0.09	0.26	3.23	3.55	1.46	0.60	0.17	0.12	0.02	0.02	
9	*******	*******	0.09	0.26	3.55	2.57	1.30	0.60	0.17	0.12	0.02	0.02	
10	*******	*******	0.03	0.20	4.22	2.03	1.30	0.60	0.17	0.12	0.02	0.02	
11	*******	*******	0.02	0.17	5.40	1.55	1.38	0.55	0.17	0.12	0.02	0.02	
12	*******	*******	0.02	0.20	6.55	2.79	1.55	0.55	0.17	0.12	0.02	0.02	
13	*******	*******	0.02	0.66	6.16	2.90	1.46	0.55	0.17	0.09	0.02	0.02	
14	*******	*******	0.03	0.49	11.44	4.11	1.38	0.55	0.15	0.09	0.02	0.02	
15	*******	*******	0.02	0.29	5.91	3.55	1.22	0.43	0.15	0.09	0.02	0.02	
16	*******	*******	0.01	0.49	3.44	2.90	1.38	0.43	0.15	0.09	0.02	0.02	
17	*******	*******	0.01	1.14	1.93	2.90	1.63	0.38	0.15	0.06	0.02	0.02	
18	*******	*******	0.01	0.78	1.38	4.79	1.38	0.32	0.15	0.06	0.02	0.02	
19	*******	*******	0.00	0.60	0.97	2.68	1.46	0.29	0.15	0.06	0.09	0.02	
20	*******	*******	0.00	0.55	0.78	2.36	1.38	0.29	0.15	0.03	0.15	0.02	
21	*******	*******	0.00	0.55	0.66	2.57	1.22	0.26	0.15	0.03	0.15	0.02	
22	*******	*******	0.00	0.55	0.83	1.71	1.05	0.23	0.15	0.03	0.15	0.02	
23	*******	*******	0.00	0.60	0.66	1.55	0.97	0.23	0.15	0.03	0.12	0.02	
24	*******	*******	0.55	0.49	0.66	1.55	0.83	0.23	0.12	0.03	0.12	0.02	
25	*******	0.38	0.26	0.55	0.89	2.57	0.83	0.23	0.12	0.03	0.12	0.02	
26	*******	0.26	0.12	1.14	2.68	4.11	1.30	0.20	0.12	0.03	0.12	0.02	
27	*******	0.02	0.43	1.71	1.46	0.89	1.22	0.20	0.12	0.03	0.09	0.02	
28	*******	0.01	5.66	1.38	1.05	3.12	0.89	0.20	0.12	0.03	0.09	0.02	
29	*******	0.01	2.90	1.05	0.97	2.79	0.78	0.20	0.17	0.03	0.03	0.02	
30	*******	0.01	1.46	1.82	0.83	2.90	0.72	0.17	0.20	0.03		0.02	
31		0.02		1.30	1.22		0.78		0.20	0.02		0.02	
TOTAL	*******	*******	11.89	20.60	77.44	75.89	40.57	13.21	4.88	2.74	1.60	0.64	******** CMSDAY
MEAN	*******	*******	0.40	0.66	2.50	2.53	1.31	0.44	0.16	0.09	0.06	0.02	******** CMS
MAX	*******	0.38	5.66	1.82	11.44	4.79	2.03	0.78	0.20	0.23	0.15	0.03	11.44 CMS
MIN	*******	*******	0.00	0.17	0.66	0.89	0.72	0.17	0.12	0.02	0.02	0.02	******** CMS
RUNOFF	*******	*******	1.027	1.780	6.691	6.557	3.505	1.141	0.422	0.237	0.138	0.055	******** MCM

MOMENTARY PEAK 32.00 CMS, AT 2.60 M (A.D), AT 15.00 HOURS, ON AUG 14, 1983

RUNOFF YIELD ********* LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 432.43 LITERS/SECOND/SQUARE KM

WATER YEAR 1983

PASAK RIVER BASIN

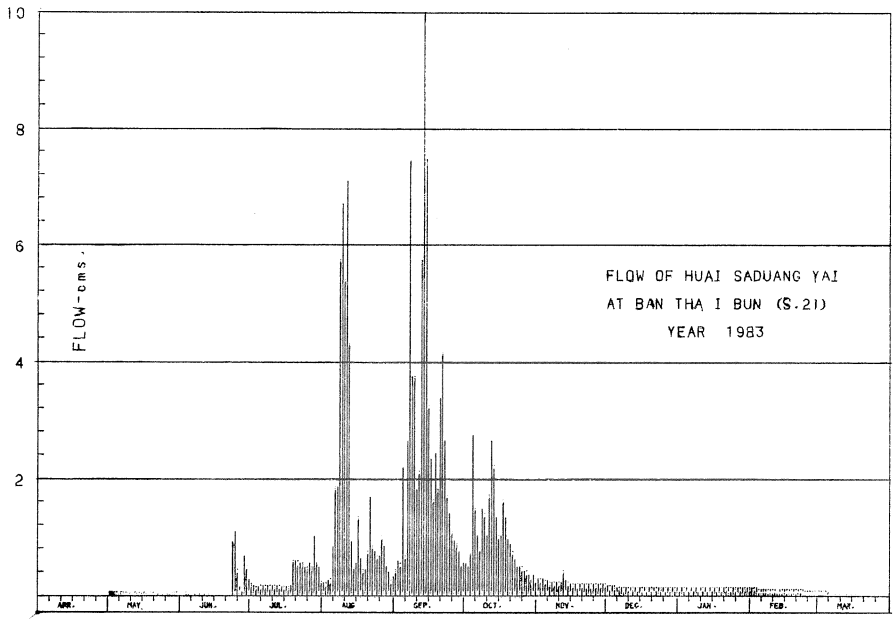
HUAI SADUANG YAI AT BAN THA I BUN, PHETCHABUN (S.21)

LOCATION	LAT. 16°-53'-44" N., LONG. 101°-21'-02" N., ON LEFT BANK AT BAN THA I BUN, TAMBON THA I BUN, AMPHOE LOM SAK, PHETCHABUN.
DRAINAGE AREA	97 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM	+0.00 M.(A.D.)
BENCH MARK	B.M.-H.D.
LOCATION	ON LEFT BANK ABOUT 8.00 METERS FROM THE SOUTH WEST OF THE TOP OF STAFF GAGE.
ELEVATION	+5.882 M.(A.D.)
GAGE READING FREQUENCY	5-TIME DAILY READINGS AT 06.00, 09.00, 12.00, 15.00 AND 18.00 HOURS.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 5 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1983 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1983 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1983 TO DATE.
STABILITY OF CHANNEL REGIMES	FAIRLY STABLE.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS POOR. STREAM GAGING BEGAN ON MAY 1, 1983. STAGE-DISCHARGE RELATION DEFINED BY 28 DISCHARGE MEASUREMENTS MADE IN 1983.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	*******	0.39	0.35	0.46	0.47	0.54	0.45	0.40	0.36	0.35	0.35	0.33	
2	*******	0.39	0.35	0.45	0.47	0.58	0.43	0.40	0.36	0.35	0.35	0.33	
3	*******	0.39	0.39	0.44	0.49	0.57	0.47	0.40	0.36	0.35	0.35	0.33	
4	*******	0.39	0.35	0.44	0.50	0.74	0.70	0.39	0.36	0.35	0.34	0.33	
5	*******	0.39	0.27	0.45	0.62	0.60	0.57	0.39	0.35	0.35	0.34	0.32	
6	*******	0.39	0.27	0.45	0.72	0.69	0.51	0.38	0.35	0.35	0.34	0.32	
7	*******	0.39	0.34	0.45	0.72	1.00	0.48	0.38	0.35	0.35	0.34	0.32	
8	*******	0.38	0.34	0.45	0.91	0.78	0.57	0.38	0.35	0.35	0.34	0.32	
9	*******	0.37	0.34	0.45	0.96	0.78	0.56	0.38	0.35	0.35	0.34	0.32	
10	*******	0.36	0.33	0.45	0.89	0.61	0.51	0.38	0.35	0.35	0.34	0.32	
11	*******	0.37	0.34	0.45	0.98	0.64	0.60	0.38	0.35	0.35	0.34	0.32	
12	*******	0.37	0.34	0.45	0.82	0.91	0.69	0.42	0.35	0.35	0.34	0.31	
13	*******	0.37	0.34	0.45	0.63	1.46	0.65	0.39	0.35	0.35	0.34	0.31	
14	*******	0.37	0.33	0.44	0.55	1.00	0.55	0.38	0.35	0.35	0.34	0.31	
15	*******	0.38	0.28	0.44	0.57	0.74	0.51	0.37	0.35	0.35	0.34	0.31	
16	*******	0.38	0.25	0.44	0.68	0.66	0.51	0.37	0.35	0.35	0.34	0.31	
17	*******	0.38	0.19	0.44	0.59	0.59	0.59	0.37	0.35	0.35	0.34	0.31	
18	*******	0.39	0.15	0.45	0.54	0.67	0.55	0.37	0.35	0.35	0.34	0.31	
19	*******	0.39	0.12	0.58	0.54	0.61	0.51	0.37	0.35	0.35	0.34	0.31	
20	*******	0.37	0.10	0.58	0.61	0.75	0.49	0.37	0.35	0.35	0.34	0.31	
21	*******	0.35	0.08	0.58	0.71	0.81	0.47	0.37	0.35	0.35	0.34	0.31	
22	*******	0.34	0.07	0.57	0.62	0.69	0.45	0.37	0.35	0.35	0.34	0.31	
23	*******	0.33	0.63	0.57	0.61	0.60	0.44	0.37	0.35	0.35	0.34	0.31	
24	*******	0.33	0.65	0.55	0.60	0.56	0.43	0.37	0.35	0.35	0.33	0.31	
25	*******	0.33	0.54	0.55	0.60	0.52	0.43	0.37	0.35	0.35	0.33	0.31	
26	*******	0.35	0.44	0.57	0.64	0.50	0.42	0.37	0.35	0.35	0.33	0.31	
27	*******	0.35	0.43	0.55	0.62	0.49	0.42	0.37	0.35	0.35	0.33	0.31	
28	*******	0.38	0.60	0.64	0.57	0.47	0.41	0.37	0.35	0.35	0.33	0.31	
29	*******	0.37	0.56	0.57	0.53	0.44	0.41	0.37	0.35	0.35	0.33	0.31	
30	*******	0.37	0.50	0.55	0.49	0.44	0.41	0.37	0.35	0.35		0.31	
31		0.35		0.48	0.51		0.40		0.35	0.35		0.31	
MEAN	*******	0.37	0.34	0.50	0.64	0.68	0.50	0.38	0.35	0.35	0.34	0.31	
MAX	*******	0.39	0.65	0.64	0.98	1.46	0.70	0.42	0.36	0.35	0.35	0.33	1.46
MIN	*******	0.33	0.07	0.44	0.47	0.44	0.40	0.37	0.35	0.35	0.33	0.31	*******

ANNUAL MAX MOMENTARY GAGE HEIGHT 1.58 M (A.D), AT 18.00 HOURS, ON SEP 13, 1983
ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D), RIVER BED -0.04 M (A.D)
LEFT BANK ELEVATION 6.35 M (A.D)
RIGHT BANK ELEVATION 5.74 M (A.D), DRAINAGE AREA 97 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	*******	0.07	0.04	0.21	0.23	0.45	0.62	0.30	0.18	0.15	0.15	0.09	
2	*******	0.07	0.04	0.18	0.23	0.60	0.50	0.30	0.18	0.15	0.15	0.09	
3	*******	0.07	0.07	0.16	0.27	0.56	0.76	0.30	0.18	0.15	0.15	0.09	
4	*******	0.07	0.04	0.16	0.29	2.19	2.75	0.27	0.18	0.15	0.12	0.09	
5	*******	0.07	0.00	0.18	0.85	0.68	1.49	0.27	0.15	0.15	0.12	0.06	
6	*******	0.07	0.00	0.18	1.86	2.65	1.03	0.24	0.15	0.15	0.12	0.06	
7	*******	0.07	0.03	0.18	1.86	7.48	0.82	0.24	0.15	0.15	0.12	0.06	
8	*******	0.06	0.03	0.18	5.75	3.75	1.49	0.24	0.15	0.15	0.12	0.06	
9	*******	0.06	0.03	0.18	6.71	3.75	1.41	0.24	0.15	0.15	0.12	0.06	
10	*******	0.05	0.02	0.18	5.40	1.82	1.03	0.24	0.15	0.15	0.12	0.06	
11	*******	0.06	0.03	0.18	7.10	2.13	1.72	0.24	0.15	0.15	0.12	0.06	
12	*******	0.06	0.03	0.18	4.31	5.75	2.65	0.43	0.15	0.15	0.12	0.03	
13	*******	0.06	0.03	0.18	0.93	20.66	2.23	0.27	0.15	0.15	0.12	0.03	
14	*******	0.06	0.02	0.16	0.49	7.48	1.34	0.24	0.15	0.15	0.12	0.03	
15	*******	0.06	0.00	0.16	0.56	3.25	1.03	0.21	0.15	0.15	0.12	0.03	
16	*******	0.06	0.00	0.16	1.35	2.34	1.03	0.21	0.15	0.15	0.12	0.03	
17	*******	0.06	0.00	0.16	0.64	1.64	1.64	0.21	0.15	0.15	0.12	0.03	
18	*******	0.07	0.00	0.18	0.45	2.44	1.34	0.21	0.15	0.15	0.12	0.03	
19	*******	0.07	0.00	0.60	0.45	1.82	1.03	0.21	0.15	0.15	0.12	0.03	
20	*******	0.06	0.00	0.60	0.76	3.38	0.89	0.21	0.15	0.15	0.12	0.03	
21	*******	0.04	0.00	0.60	1.69	4.16	0.76	0.21	0.15	0.15	0.12	0.03	
22	*******	0.03	0.00	0.56	0.85	2.65	0.62	0.21	0.15	0.15	0.12	0.03	
23	*******	0.02	0.93	0.56	0.76	1.72	0.56	0.21	0.15	0.15	0.12	0.03	
24	*******	0.02	1.10	0.49	0.68	1.41	0.50	0.21	0.15	0.15	0.09	0.03	
25	*******	0.02	0.45	0.49	0.68	1.10	0.50	0.21	0.15	0.15	0.09	0.03	
26	*******	0.04	0.16	0.56	1.02	0.95	0.43	0.21	0.15	0.15	0.09	0.03	
27	*******	0.04	0.14	0.49	0.85	0.89	0.43	0.21	0.15	0.15	0.09	0.03	
28	*******	0.06	0.68	1.02	0.56	0.76	0.36	0.21	0.15	0.15	0.09	0.03	
29	*******	0.06	0.52	0.56	0.41	0.56	0.36	0.21	0.15	0.15	0.09	0.03	
30	*******	0.06	0.29	0.49	0.27	0.56	0.36	0.21	0.15	0.15		0.03	
31		0.04		0.25	0.33		0.30		0.15	0.15		0.03	
TOTAL	*******	1.71	4.68	10.42	48.59	89.58	31.98	7.18	4.77	4.65	3.39	1.38	******** CMSDAY
MEAN	*******	0.06	0.16	0.34	1.57	2.99	1.03	0.24	0.15	0.15	0.12	0.04	******** CMS
MAX	*******	0.07	1.10	1.02	7.10	20.66	2.75	0.43	0.18	0.15	0.15	0.09	20.66 CMS
MIN	*******	0.02	0.00	0.16	0.23	0.45	0.30	0.21	0.15	0.15	0.09	0.03	******** CMS
RUNOFF	*******	0.148	0.404	0.900	4.198	7.740	2.763	0.620	0.412	0.402	0.293	0.119	******** MCM

MOMENTARY PEAK 25.26 CMS, AT 1.58 M (A.D), AT 18.00 HOURS, ON SEP 13, 1983

RUNOFF YIELD ******** LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 260.41 LITERS/SECOND/SQUARE KM

WATER YEAR 1983

PASAK RIVER BASIN

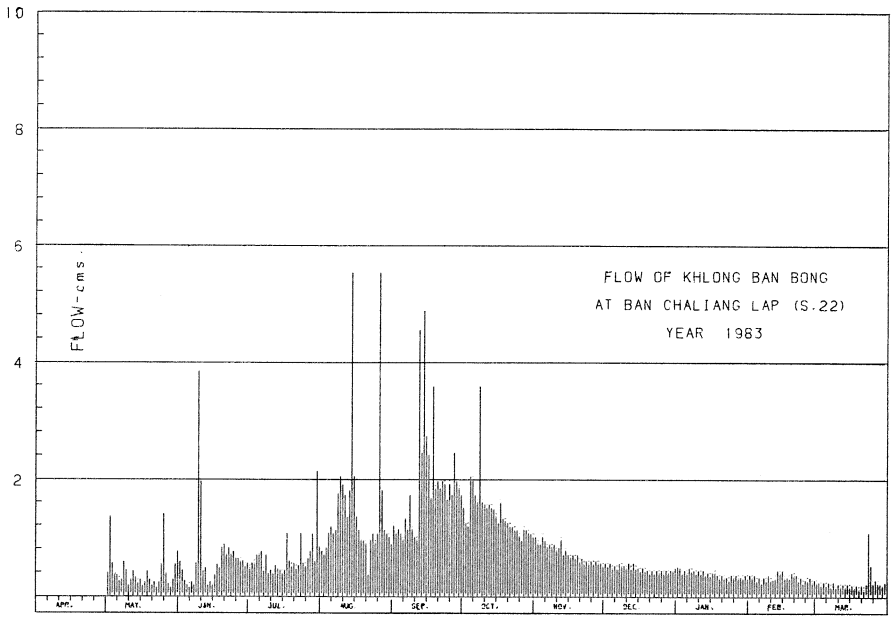
KHLONG BAN BONG AT BAN CHALIANG LAP, PHETCHABUN (S.22)

LOCATION	LAT. 16°-24'-32" N., LONG. 101°-17'-13" E., ON RIGHT BANK AT BAN CHALIANG LAP, TAMBON NA PA, AMPHOE MUANG, PHETCHABUN.
DRAINAGE AREA	77 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM	+0.00 M.(A.D.)
BENCH MARK	B.M.-H.D.
LOCATION	ON RIGHT BANK INFRONT OF THE GAGE OBSERVER'S HOUSE.
ELEVATION	+7.282 M.(A.D.)
GAGE READING FREQUENCY	5-TIME DAILY READINGS AT 06.00, 09.00, 12.00, 15.00 AND 18.00 HOURS.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 5 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1983 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1983 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1983 TO DATE.
STABILITY OF CHANNEL REGIMES	STABLE.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS POOR. STREAM GAGING BEGAN ON MAY 1, 1983. STAGE-DISCHARGE RELATION DEFINED BY 31 DISCHARGE MEASUREMENTS MADE IN 1983.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	*******	0.34	0.40	0.37	0.42	0.50	0.54	0.46	0.38	0.38	0.33	0.31	
2	*******	0.52	0.35	0.38	0.42	0.47	0.50	0.45	0.38	0.36	0.33	0.30	
3	*******	0.38	0.32	0.39	0.43	0.49	0.50	0.44	0.38	0.35	0.33	0.30	
4	*******	0.34	0.28	0.41	0.48	0.47	0.60	0.47	0.37	0.35	0.32	0.30	
5	*******	0.33	0.29	0.42	0.49	0.46	0.60	0.45	0.37	0.35	0.32	0.30	
6	*******	0.32	0.30	0.42	0.48	0.51	0.56	0.44	0.37	0.36	0.31	0.30	
7	*******	0.31	0.30	0.36	0.48	0.49	0.55	0.44	0.38	0.36	0.32	0.29	
8	*******	0.40	0.38	0.41	0.57	0.56	0.76	0.44	0.38	0.35	0.32	0.30	
9	*******	0.35	0.79	0.35	0.60	0.49	0.55	0.44	0.37	0.35	0.33	0.29	
10	*******	0.30	0.59	0.35	0.59	0.46	0.54	0.43	0.37	0.35	0.32	0.29	
11	*******	0.31	0.36	0.35	0.56	0.46	0.54	0.43	0.38	0.35	0.31	0.29	
12	*******	0.36	0.36	0.37	0.52	0.85	0.54	0.46	0.37	0.35	0.33	0.29	
13	*******	0.32	0.30	0.37	0.57	0.65	0.54	0.41	0.38	0.34	0.35	0.29	
14	*******	0.31	0.30	0.35	0.94	0.88	0.53	0.43	0.37	0.34	0.35	0.29	
15	*******	0.31	0.30	0.35	0.60	0.68	0.52	0.41	0.36	0.34	0.35	0.29	
16	*******	0.30	0.33	0.35	0.52	0.64	0.50	0.41	0.36	0.34	0.33	0.28	
17	*******	0.30	0.39	0.48	0.48	0.56	0.55	0.41	0.36	0.35	0.32	0.28	
18	*******	0.36	0.36	0.39	0.46	0.76	0.51	0.41	0.36	0.33	0.33	0.28	
19	*******	0.31	0.44	0.38	0.45	0.58	0.51	0.41	0.35	0.33	0.34	0.27	
20	*******	0.30	0.44	0.38	0.45	0.59	0.50	0.40	0.35	0.33	0.34	0.28	
21	*******	0.30	0.42	0.37	0.33	0.58	0.50	0.40	0.35	0.33	0.33	0.27	
22	*******	0.29	0.43	0.37	0.46	0.59	0.49	0.39	0.35	0.32	0.32	0.29	
23	*******	0.30	0.42	0.48	0.47	0.59	0.49	0.39	0.35	0.32	0.32	0.48	
24	*******	0.39	0.42	0.38	0.45	0.55	0.48	0.39	0.35	0.33	0.31	0.37	
25	*******	0.52	0.41	0.38	0.47	0.59	0.47	0.39	0.35	0.33	0.31	0.31	
26	*******	0.35	0.40	0.40	0.94	0.56	0.45	0.39	0.35	0.33	0.32	0.31	
27	*******	0.29	0.40	0.43	0.57	0.65	0.49	0.39	0.35	0.33	0.32	0.31	
28	*******	0.29	0.39	0.47	0.49	0.59	0.48	0.39	0.35	0.32	0.31	0.29	
29	*******	0.31	0.38	0.40	0.47	0.58	0.48	0.38	0.35	0.33	0.31	0.30	
30	*******	0.39	0.38	0.61	0.47	0.56	0.47	0.38	0.36	0.33		0.30	
31		0.42		0.44	0.44		0.47		0.36	0.33		0.30	
MEAN	*******	0.34	0.39	0.40	0.52	0.58	0.52	0.42	0.36	0.34	0.33	0.30	
MAX	*******	0.52	0.79	0.61	0.94	0.88	0.76	0.47	0.38	0.38	0.35	0.48	0.94
MIN	*******	0.29	0.28	0.35	0.33	0.46	0.45	0.38	0.35	0.32	0.31	0.27	*******

ANNUAL MAX MOMENTARY GAGE HEIGHT 1.35 M (A.D), AT 7.00 HOURS, ON SEP 12, 1983
ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D), RIVER BED -0.07 M (A.D)
LEFT BANK ELEVATION 2.35 M (A.D)
RIGHT BANK ELEVATION 8.83 M (A.D), DRAINAGE AREA 77 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	*******	0.41	0.65	0.53	0.77	1.25	1.57	1.01	0.57	0.57	0.37	0.29	
2	*******	1.41	0.45	0.57	0.77	1.07	1.25	0.95	0.57	0.49	0.37	0.25	
3	*******	0.57	0.33	0.61	0.83	1.19	1.25	0.89	0.57	0.45	0.37	0.25	
4	*******	0.41	0.20	0.71	1.13	1.07	2.05	1.07	0.53	0.45	0.33	0.25	
5	*******	0.37	0.22	0.77	1.19	1.01	2.05	0.95	0.53	0.45	0.33	0.25	
6	*******	0.33	0.25	0.77	1.13	1.33	1.73	0.89	0.53	0.49	0.29	0.25	
7	*******	0.29	0.25	0.49	1.13	1.19	1.65	0.89	0.57	0.49	0.33	0.22	
8	*******	0.65	0.57	0.71	1.81	1.73	3.59	0.89	0.57	0.45	0.33	0.25	
9	*******	0.45	3.90	0.45	2.05	1.19	1.65	0.89	0.53	0.45	0.37	0.22	
10	*******	0.25	1.97	0.45	1.97	1.01	1.57	0.83	0.53	0.45	0.33	0.22	
11	*******	0.29	0.49	0.45	1.73	1.01	1.57	0.83	0.57	0.45	0.29	0.22	
12	*******	0.49	0.49	0.53	1.41	4.55	1.57	1.01	0.53	0.45	0.37	0.22	
13	*******	0.33	0.25	0.53	1.81	2.51	1.57	0.71	0.57	0.41	0.45	0.22	
14	*******	0.29	0.25	0.45	5.58	4.88	1.49	0.83	0.53	0.41	0.45	0.22	
15	*******	0.29	0.25	0.45	2.05	2.79	1.41	0.71	0.49	0.41	0.45	0.22	
16	*******	0.25	0.37	0.45	1.41	2.42	1.25	0.71	0.49	0.41	0.37	0.20	
17	*******	0.25	0.61	1.13	1.13	1.73	1.65	0.71	0.49	0.45	0.33	0.20	
18	*******	0.49	0.49	0.61	1.01	3.59	1.33	0.71	0.49	0.37	0.37	0.20	
19	*******	0.29	0.89	0.57	0.95	1.89	1.33	0.71	0.45	0.37	0.41	0.18	
20	*******	0.25	0.89	0.57	0.95	1.97	1.25	0.65	0.45	0.37	0.41	0.20	
21	*******	0.25	0.77	0.53	0.37	1.89	1.25	0.65	0.45	0.37	0.37	0.18	
22	*******	0.22	0.83	0.53	1.01	1.97	1.19	0.61	0.45	0.33	0.33	0.22	
23	*******	0.25	0.77	1.13	1.07	1.97	1.19	0.61	0.45	0.33	0.33	1.13	
24	*******	0.61	0.77	0.57	0.95	1.65	1.13	0.61	0.45	0.37	0.29	0.53	
25	*******	1.41	0.71	0.57	1.07	1.97	1.07	0.61	0.45	0.37	0.29	0.29	
26	*******	0.45	0.65	0.65	5.58	1.73	0.95	0.61	0.45	0.37	0.33	0.29	
27	*******	0.22	0.65	0.83	1.81	2.51	1.19	0.61	0.45	0.37	0.33	0.29	
28	*******	0.22	0.61	1.07	1.19	1.97	1.13	0.61	0.45	0.33	0.29	0.22	
29	*******	0.29	0.57	0.65	1.07	1.89	1.13	0.57	0.45	0.37	0.29	0.25	
30	*******	0.61	0.57	2.14	1.07	1.73	1.07	0.57	0.49	0.37		0.25	
31		0.77		0.89	0.89		1.07		0.49	0.37		0.25	
TOTAL	*******	13.66	20.67	21.36	46.89	58.66	45.15	22.90	15.59	12.79	10.17	8.43	******** CMSDAY
MEAN	*******	0.44	0.69	0.69	1.51	1.96	1.46	0.76	0.50	0.41	0.35	0.27	******** CMS
MAX	*******	1.41	3.90	2.14	5.58	4.88	3.59	1.07	0.57	0.57	0.45	1.13	5.58 CMS
MIN	*******	0.22	0.20	0.45	0.37	1.01	0.95	0.57	0.45	0.33	0.29	0.18	******** CMS
RUNOFF	*******	1.180	1.786	1.846	4.051	5.068	3.901	1.979	1.347	1.105	0.879	0.728	******** MCM

MOMENTARY PEAK 11.40 CMS, AT 1.35 M (A.D), AT 7.00 HOURS, ON SEP 12, 1983

RUNOFF YIELD ******** LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 148.05 LITERS/SECOND/SQUARE KM

WATER YEAR 1983

SALAWIN RIVER BASIN

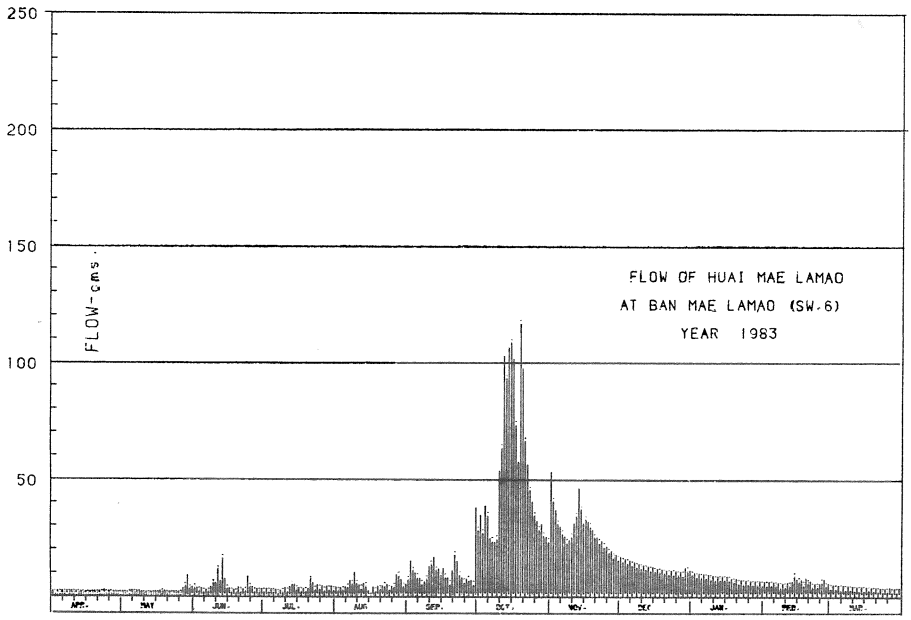
HUAI MAE LAMAO AT BAN MAE LAMAO, TAK (SW.6)

LOCATION	LAT. 16°-45'- 44" N., LONG. 98°-45'-14" E., ON LEFT BANK DOWNSTREAM FROM THE BRIDGE ON HIGHWAY, AT BAN MAE LAMAO, AMPHOE MAE SOT, TAK.
DRAINAGE AREA	1,038 SQ.KM.
TYPE OF GAGE	WATER-STAGE RECORDER.
ZERO GAGE AT BOTTOM	+0.00 M.(A.D.)
BENCH MARK	B.M.-H.D.
LOCATION	ABOUT 6.25 METERS FROM AUTOMATIC GAGE BUILDING.
ELEVATION	+10.386 M.(A.D.)
GAGE READING FREQUENCY	RECORDING.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 24 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1971 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1971 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1971 TO DATE.
STABILITY OF CHANNEL REGIMES	STABLE.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS FAIR. STAGE-DISCHARGE RELATION DEFINED BY 145 DISCHARGE MEASUREMENTS MADE IN 1983.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.49	0.47	0.68	0.57	0.62	0.82	1.54	2.18	1.16	0.92	0.75	0.70	
2	0.49	0.45	0.60	0.57	0.60	1.09	1.69	1.89	1.14	0.90	0.75	0.69	
3	0.49	0.45	0.59	0.56	0.60	0.98	1.51	1.75	1.13	0.89	0.75	0.68	
4	0.49	0.49	0.58	0.56	0.62	0.89	1.80	1.62	1.12	0.89	0.75	0.68	
5	0.49	0.50	0.55	0.56	0.62	0.87	1.72	1.55	1.11	0.88	0.74	0.68	
6	0.49	0.49	0.53	0.54	0.70	0.80	1.40	1.50	1.09	0.88	0.74	0.68	
7	0.49	0.49	0.56	0.52	0.76	0.76	1.41	1.43	1.08	0.87	0.73	0.67	
8	0.49	0.48	0.62	0.51	0.76	0.74	1.35	1.39	1.06	0.87	0.73	0.67	
9	0.49	0.46	0.76	0.56	0.90	0.84	1.43	1.38	1.05	0.86	0.72	0.66	
10	0.49	0.45	0.72	0.60	0.76	1.00	2.19	1.46	1.04	0.85	0.72	0.66	
11	0.48	0.45	1.00	0.57	0.68	1.09	2.47	1.59	1.03	0.84	0.73	0.64	
12	0.48	0.45	0.75	0.63	0.67	1.15	3.37	1.71	1.02	0.84	0.74	0.64	
13	0.47	0.45	1.17	0.74	0.71	0.99	3.18	2.00	1.01	0.84	0.75	0.64	
14	0.47	0.45	0.79	0.69	0.72	0.96	3.45	1.79	1.00	0.84	0.89	0.64	
15	0.46	0.47	0.66	0.64	0.49	0.90	3.52	1.59	1.00	0.84	0.79	0.64	
16	0.46	0.46	0.58	0.60	0.39	0.97	3.34	1.67	0.98	0.84	0.81	0.63	
17	0.46	0.49	0.56	0.59	0.62	0.87	2.72	1.61	0.97	0.83	0.78	0.63	
18	0.47	0.52	0.53	0.57	0.59	0.81	2.29	1.59	0.97	0.80	0.75	0.62	
19	0.48	0.49	0.54	0.59	0.64	0.76	3.69	1.51	0.96	0.80	0.81	0.62	
20	0.47	0.47	0.61	0.57	0.65	0.93	3.25	1.45	0.95	0.80	0.78	0.62	
21	0.48	0.46	0.58	0.82	0.65	1.22	2.55	1.42	0.94	0.78	0.76	0.61	
22	0.48	0.46	0.55	0.72	0.72	1.09	2.26	1.39	0.94	0.78	0.72	0.60	
23	0.52	0.47	0.59	0.63	0.69	0.91	2.01	1.37	0.94	0.77	0.72	0.59	
24	0.48	0.46	0.83	0.68	0.65	0.81	1.85	1.34	0.94	0.77	0.72	0.59	
25	0.48	0.46	0.70	0.66	0.64	0.79	1.72	1.30	0.93	0.77	0.72	0.60	
26	0.48	0.48	0.62	0.65	0.71	0.79	1.62	1.26	0.92	0.76	0.79	0.62	
27	0.47	0.58	0.57	0.61	0.86	0.83	1.55	1.24	0.92	0.76	0.79	0.59	
28	0.46	0.71	0.56	0.64	0.90	0.77	1.58	1.20	0.92	0.76	0.73	0.59	
29	0.46	0.85	0.56	0.64	0.78	0.75	1.47	1.19	0.98	0.76	0.72	0.59	
30	0.46	0.65	0.56	0.64	0.71	1.78	1.42	1.17	0.99	0.76		0.61	
31		0.62		0.62	0.70		1.40		0.94	0.75		0.59	
MEAN	0.48	0.50	0.65	0.61	0.68	0.93	2.15	1.52	1.01	0.82	0.75	0.63	
MAX	0.52	0.85	1.17	0.82	0.90	1.78	3.69	2.18	1.16	0.92	0.89	0.70	3.69
MIN	0.46	0.45	0.53	0.51	0.39	0.74	1.35	1.17	0.92	0.75	0.72	0.59	0.39

ANNUAL MAX MOMENTARY GAGE HEIGHT 4.52 M (A.D), AT 16.00 HOURS, ON OCT 12, 1983
ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D), RIVER BED 0.08 M (A.D)
LEFT BANK ELEVATION 15.00 M (A.D)
RIGHT BANK ELEVATION 10.39 M (A.D), DRAINAGE AREA 1038 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	2.58	2.34	5.20	3.61	4.30	8.50	29.76	53.52	17.30	11.00	6.75	5.50	
2	2.58	2.10	4.00	3.61	4.00	15.25	35.04	42.24	16.70	10.50	6.75	5.35	
3	2.58	2.10	3.87	3.48	4.00	12.50	28.74	37.20	16.40	10.25	6.75	5.20	
4	2.58	2.58	3.74	3.48	4.30	10.25	39.00	32.52	16.10	10.25	6.75	5.20	
5	2.58	2.70	3.35	3.48	4.30	9.75	36.12	30.10	15.80	10.00	6.50	5.20	
6	2.58	2.58	3.09	3.22	5.50	8.00	25.00	28.40	15.25	10.00	6.50	5.20	
7	2.58	2.58	3.48	2.96	7.00	7.00	25.34	26.02	15.00	9.75	6.25	5.05	
8	2.58	2.46	4.30	2.83	7.00	6.50	23.38	24.68	14.50	9.75	6.25	5.05	
9	2.58	2.22	7.00	3.48	10.50	9.00	26.02	24.35	14.25	9.50	6.00	4.90	
10	2.58	2.10	6.00	4.00	7.00	13.00	53.91	27.04	14.00	9.25	6.00	4.90	
11	2.46	2.10	13.00	3.61	5.20	15.25	64.97	31.46	13.75	9.00	6.25	4.60	
12	2.46	2.10	6.75	4.45	5.05	17.00	103.15	35.76	13.50	9.00	6.50	4.60	
13	2.34	2.10	17.60	6.50	5.75	12.75	94.74	46.50	13.25	9.00	6.75	4.60	
14	2.34	2.10	7.75	5.35	6.00	12.00	106.75	38.64	13.00	9.00	10.25	4.60	
15	2.22	2.34	4.90	4.60	2.58	10.50	109.96	31.46	13.00	9.00	7.75	4.60	
16	2.22	2.22	3.74	4.00	1.40	12.25	101.80	34.32	12.50	9.00	8.25	4.45	
17	2.22	2.58	3.48	3.87	4.30	9.75	75.22	32.16	12.25	8.75	7.50	4.45	
18	2.34	2.96	3.09	3.61	3.87	8.25	57.81	31.46	12.25	8.00	6.75	4.30	
19	2.46	2.58	3.22	3.87	4.60	7.00	118.12	28.74	12.00	8.00	8.25	4.30	
20	2.34	2.34	4.15	3.61	4.75	11.25	97.80	26.70	11.75	8.00	7.50	4.30	
21	2.46	2.22	3.74	8.50	4.75	19.15	68.25	25.68	11.50	7.50	7.00	4.15	
22	2.46	2.22	3.35	6.00	6.00	15.25	56.64	24.68	11.50	7.50	6.00	4.00	
23	2.96	2.34	3.87	4.45	5.35	10.75	46.89	24.03	11.50	7.25	6.00	3.87	
24	2.46	2.22	8.75	5.20	4.75	8.25	40.80	23.05	11.50	7.25	6.00	3.87	
25	2.46	2.22	5.50	4.90	4.60	7.75	36.12	21.75	11.25	7.25	6.00	4.00	
26	2.46	2.46	4.30	4.75	5.75	7.75	32.52	20.45	11.00	7.00	7.75	4.30	
27	2.34	3.74	3.61	4.15	9.50	8.75	30.10	19.80	11.00	7.00	7.75	3.87	
28	2.22	5.75	3.48	4.60	10.50	7.25	31.12	18.50	11.00	7.00	6.25	3.87	
29	2.22	9.25	3.48	4.60	7.50	6.75	27.38	18.20	12.50	7.00	6.00	3.87	
30	2.22	4.75	3.48	4.60	5.75	38.28	25.68	17.60	12.75	7.00		4.15	
31		4.30		4.30	5.50		25.00		11.50	6.75		3.87	
TOTAL	73.46	88.65	155.27	133.67	171.35	345.68	1673.13	877.01	409.55	265.50	199.00	140.17	4532.44 CMSDAY
MEAN	2.45	2.86	5.18	4.31	5.53	11.52	53.97	29.23	13.21	8.56	6.86	4.52	12.38 CMS
MAX	2.96	9.25	17.60	8.50	10.50	38.28	118.12	53.52	17.30	11.00	10.25	5.50	118.12 CMS
MIN	2.22	2.10	3.09	2.83	1.40	6.50	23.38	17.60	11.00	6.75	6.00	3.87	1.40 CMS
RUNOFF	6.347	7.659	13.415	11.549	14.805	29.867	144.558	75.774	35.385	22.939	17.194	12.111	391.603 MCM

MOMENTARY PEAK 165.34 CMS, AT 4.52 M (A.D), AT 16.00 HOURS, ON OCT 12, 1983

RUNOFF YIELD 11.93 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 159.29 LITERS/SECOND/SQUARE KM

WATER YEAR 1983

KHONG RIVER BASIN

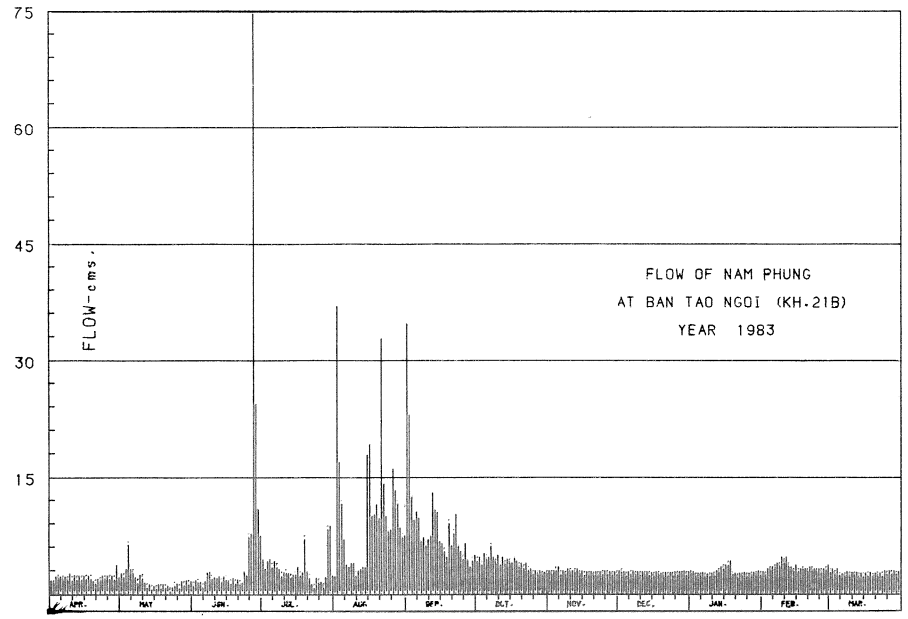
NAM PHUNG AT BAN TAO NGOI, SAKON NAKHON (KH.21B)

LOCATION	LAT. 16°-59'-39" N., LONG. 104°-10'-39" E., ON LEFT BANK ABOUT 2.7 KILOMETERS DOWNSTREAM FROM KH.21A, BAN TAO NGOI, AMPHOE MUANG, SAKON NAKHON.
DRAINAGE AREA	641 SQ.KM.
TYPE OF GAGE	WATER-STAGE RECORDER.
ZERO GAGE AT BOTTOM	+170.60 M. (M.S.L.)
BENCH MARK	B.M.-H.D.
LOCATION	ON RIGHT BANK AT THE ABUTMENTS OF THE BRIDGE.
ELEVATION	+179.69 M.(M.S.L.)
GAGE READING FREQUENCY	RECORDING.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 24 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1978 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1978 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1978 TO DATE.
STABILITY OF CHANNEL REGIMES	FAIRLY STABLE.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS FAIR. STAGE-DISCHARGE RELATION DEFINED BY 149 DISCHARGE MEASUREMENTS MADE IN 1983.

GAGE HEIGHT IN METER (MSL), WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	171.18	171.27	171.16	171.38	171.23	172.19	171.37	171.30	171.30	171.30	171.29	171.31	
2	171.18	171.27	171.18	171.31	172.23	171.95	171.37	171.30	171.31	171.29	171.28	171.31	
3	171.23	171.31	171.20	171.37	171.82	171.69	171.35	171.30	171.29	171.27	171.31	171.30	
4	171.25	171.45	171.16	171.36	171.66	171.56	171.39	171.32	171.28	171.27	171.32	171.31	
5	171.23	171.31	171.14	171.34	171.46	171.62	171.38	171.32	171.29	171.27	171.32	171.27	
6	171.24	171.31	171.17	171.35	171.35	171.57	171.37	171.30	171.30	171.28	171.33	171.26	
7	171.23	171.22	171.31	171.34	171.32	171.47	171.44	171.30	171.30	171.27	171.34	171.27	
8	171.23	171.20	171.29	171.31	171.36	171.47	171.37	171.29	171.29	171.26	171.34	171.29	
9	171.27	171.25	171.25	171.29	171.34	171.45	171.36	171.31	171.29	171.27	171.37	171.28	
10	171.23	171.26	171.22	171.28	171.29	171.46	171.38	171.31	171.29	171.27	171.36	171.28	
11	171.25	171.15	171.26	171.31	171.30	171.50	171.35	171.30	171.29	171.28	171.37	171.28	
12	171.24	171.14	171.23	171.27	171.33	171.70	171.37	171.31	171.29	171.30	171.34	171.28	
13	171.24	171.13	171.21	171.26	171.32	171.63	171.35	171.31	171.29	171.31	171.32	171.27	
14	171.24	171.12	171.23	171.25	171.34	171.60	171.36	171.30	171.29	171.32	171.31	171.27	
15	171.24	171.11	171.24	171.30	171.84	171.47	171.36	171.30	171.28	171.33	171.33	171.27	
16	171.25	171.12	171.18	171.32	171.88	171.44	171.34	171.29	171.28	171.33	171.31	171.27	
17	171.24	171.13	171.19	171.29	171.58	171.42	171.38	171.29	171.29	171.35	171.31	171.28	
18	171.25	171.13	171.21	171.28	171.61	171.37	171.35	171.29	171.29	171.35	171.32	171.28	
19	171.17	171.13	171.19	171.48	171.64	171.56	171.34	171.29	171.27	171.30	171.31	171.26	
20	171.19	171.13	171.19	171.29	171.59	171.43	171.34	171.28	171.28	171.27	171.31	171.27	
21	171.20	171.11	171.18	171.26	172.15	171.51	171.33	171.29	171.28	171.26	171.32	171.28	
22	171.22	171.09	171.15	171.13	171.75	171.59	171.34	171.29	171.28	171.27	171.32	171.27	
23	171.24	171.09	171.31	171.13	171.58	171.44	171.32	171.29	171.28	171.27	171.31	171.28	
24	171.24	171.16	171.24	171.21	171.52	171.40	171.31	171.30	171.28	171.28	171.31	171.30	
25	171.24	171.14	171.49	171.20	171.51	171.38	171.30	171.30	171.29	171.27	171.31	171.29	
26	171.25	171.13	171.49	171.16	171.81	171.44	171.30	171.30	171.29	171.27	171.31	171.30	
27	171.24	171.17	173.33	171.14	171.71	171.37	171.30	171.29	171.29	171.28	171.31	171.30	
28	171.24	171.17	171.98	171.22	171.66	171.32	171.30	171.29	171.29	171.28	171.32	171.30	
29	171.33	171.18	171.63	171.53	171.52	171.37	171.29	171.29	171.30	171.29	171.33	171.29	
30	171.27	171.18	171.48	171.53	171.49	171.38	171.28	171.30	171.29	171.30		171.29	
31		171.17		171.28	171.48		171.30		171.29	171.29		171.30	
MEAN	171.24	171.18	171.35	171.30	171.57	171.52	171.34	171.30	171.29	171.29	171.32	171.28	
MAX	171.33	171.45	173.33	171.53	172.23	172.19	171.44	171.32	171.31	171.35	171.37	171.31	173.33
MIN	171.17	171.09	171.14	171.13	171.23	171.32	171.28	171.28	171.27	171.26	171.28	171.26	171.09

ANNUAL MAX MOMENTARY GAGE HEIGHT 174.96 M (MSL), AT 15.00 HOURS, ON JUN 27, 1983
ZERO GAGE AT BOTTOM ELEVATION 170.60 M (MSL), RIVER BED 170.81 M (MSL)
LEFT BANK ELEVATION 179.69 M (MSL)
RIGHT BANK ELEVATION 179.61 M (MSL), DRAINAGE AREA 641 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	1.80	2.70	1.60	5.00	2.30	35.10	4.75	3.00	3.00	3.00	2.90	3.25	
2	1.80	2.70	1.80	3.25	37.37	23.00	4.75	3.00	3.25	2.90	2.80	3.25	
3	2.30	3.25	2.00	4.75	16.93	12.75	4.25	3.00	2.90	2.70	3.25	3.00	
4	2.50	6.75	1.60	4.50	12.00	9.50	5.25	3.50	2.80	2.70	3.50	3.25	
5	2.30	3.25	1.40	4.00	7.00	11.00	5.00	3.50	2.90	2.70	3.50	2.70	
6	2.40	3.25	1.70	4.25	4.25	9.75	4.75	3.00	3.00	2.80	3.75	2.60	
7	2.30	2.20	3.25	4.00	3.50	7.25	6.50	3.00	3.00	2.70	4.00	2.70	
8	2.30	2.00	2.90	3.25	4.50	7.25	4.75	2.90	2.90	2.60	4.00	2.90	
9	2.70	2.50	2.50	2.90	4.00	6.75	4.50	3.25	2.90	2.70	4.75	2.80	
10	2.30	2.60	2.20	2.80	2.90	7.00	5.00	3.25	2.90	2.70	4.50	2.80	
11	2.50	1.50	2.60	3.25	3.00	8.00	4.25	3.00	2.90	2.80	4.75	2.80	
12	2.40	1.40	2.30	2.70	3.75	13.00	4.75	3.25	2.90	3.00	4.00	2.80	
13	2.40	1.30	2.10	2.60	3.50	11.25	4.25	3.25	2.90	3.25	3.50	2.70	
14	2.40	1.20	2.30	2.50	4.00	10.50	4.50	3.00	2.90	3.50	3.25	2.70	
15	2.40	1.10	2.40	3.00	17.87	7.25	4.50	3.00	2.80	3.75	3.75	2.70	
16	2.50	1.20	1.80	3.50	19.73	6.50	4.00	2.90	2.80	3.75	3.25	2.70	
17	2.40	1.30	1.90	2.90	10.00	6.00	5.00	2.90	2.90	4.25	3.25	2.80	
18	2.50	1.30	2.10	2.80	10.75	4.75	4.25	2.90	2.90	4.25	3.50	2.80	
19	1.70	1.30	1.90	7.50	11.50	9.50	4.00	2.90	2.70	3.00	3.25	2.60	
20	1.90	1.30	1.90	2.90	10.25	6.25	4.00	2.80	2.80	2.70	3.25	2.70	
21	2.00	1.10	1.80	2.60	32.83	8.25	3.75	2.90	2.80	2.60	3.50	2.80	
22	2.20	0.90	1.50	1.30	14.50	10.25	4.00	2.90	2.80	2.70	3.50	2.70	
23	2.40	0.90	3.25	1.30	10.00	6.50	3.50	2.90	2.80	2.70	3.25	2.80	
24	2.40	1.60	2.40	2.10	8.50	5.50	3.25	3.00	2.80	2.80	3.25	3.00	
25	2.40	1.40	7.75	2.00	8.25	5.00	3.00	3.00	2.90	2.70	3.25	2.90	
26	2.50	1.30	7.75	1.60	16.47	6.50	3.00	3.00	2.90	2.70	3.25	3.00	
27	2.40	1.70	123.59	1.40	13.30	4.75	3.00	2.90	2.90	2.80	3.25	3.00	
28	2.40	1.70	24.40	2.20	12.00	3.50	3.00	2.90	2.90	2.80	3.50	3.00	
29	3.75	1.80	11.25	8.75	8.50	4.75	2.90	2.90	3.00	2.90	3.75	2.90	
30	2.70	1.80	7.50	8.75	7.75	5.00	2.80	3.00	2.90	3.00		2.90	
31		1.70		2.80	7.50		3.00		2.90	2.90		3.00	
TOTAL	70.95	60.00	233.44	107.15	328.70	272.35	128.20	90.70	89.65	92.35	103.20	88.55	1665.24 CMSDAY
MEAN	2.37	1.94	7.78	3.46	10.60	9.08	4.14	3.02	2.89	2.98	3.56	2.86	4.55 CMS
MAX	3.75	6.75	123.59	8.75	37.37	35.10	6.50	3.50	3.25	4.25	4.75	3.25	123.59 CMS
MIN	1.70	0.90	1.40	1.30	2.30	3.50	2.80	2.80	2.70	2.60	2.80	2.60	0.90 CMS
RUNOFF	6.130	5.184	20.169	9.258	28.400	23.531	11.076	7.836	7.746	7.979	8.916	7.651	143.877 MCM

MOMENTARY PEAK 312.11 CMS, AT 174.96 M (MSL), AT 15.00 HOURS, ON JUN 27, 1983

RUNOFF YIELD 7.10 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 486.91 LITERS/SECOND/SQUARE KM

WATER YEAR 1983

KHONG RIVER BASIN

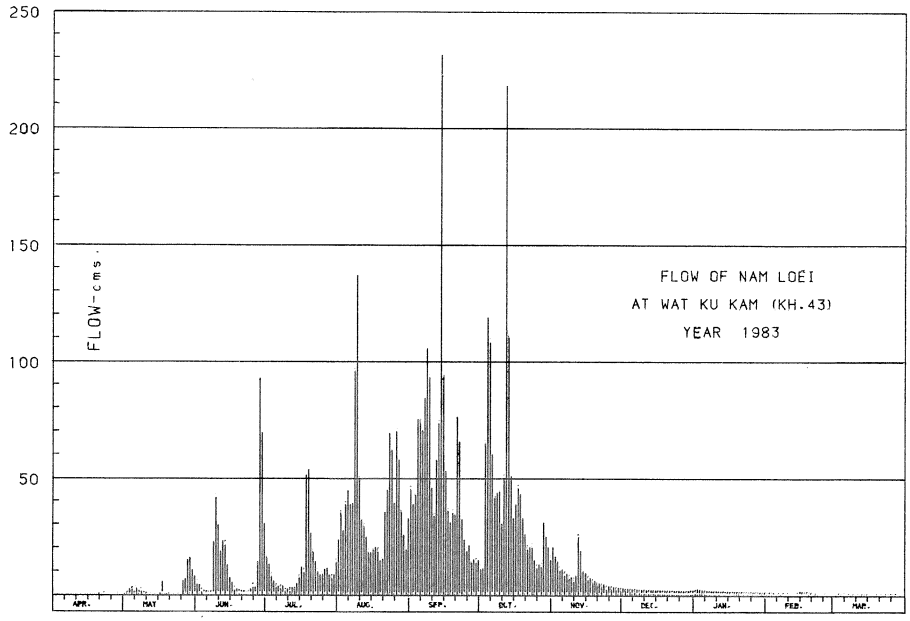
LOEI RIVER AT WAT KU KAM, LOEI (KH.43)

LOCATION	LAT. 17°-14'-15" N., LONG. 101°-41'-31" E., ON LEFT BANK DOWNSTREAM FROM WAT KU KAM AT BAN SAI KHAO, AMPHOE WANG SAPHUNG, LOEI.
DRAINAGE AREA	991 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM	+0.00 M.(A.D.)
BENCH MARK	B.M.-H.D.
LOCATION	UNDER TAMARIND TREE ALONG THE MEASURING LINE.
ELEVATION	+10.667 M.(A.D.)
GAGE READING FREQUENCY	5-TIME DAILY READINGS AT 06.00, 09.00, 12.00, 15.00 AND 18.00 HOURS.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 5 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1966 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1966 - 1973, 1981 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1966 - 1973, 1981 TO DATE.
STABILITY OF CHANNEL REGIMES	STABLE.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS GOOD. STAGE-DISCHARGE RELATION DEFINED BY 179 DISCHARGE MEASUREMENTS MADE IN 1983.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.51	0.55	1.01	1.37	1.54	1.98	1.23	1.46	0.84	0.80	0.67	0.62	
2	0.51	0.65	0.92	1.24	1.79	1.84	1.18	1.40	0.83	0.82	0.66	0.61	
3	0.51	0.81	0.83	1.12	1.63	1.94	2.32	1.28	0.83	0.80	0.66	0.61	
4	0.50	0.86	0.75	1.00	1.86	2.46	3.02	1.21	0.82	0.78	0.66	0.61	
5	0.50	0.68	0.71	0.94	1.95	2.46	2.92	1.17	0.82	0.77	0.65	0.61	
6	0.50	0.92	0.68	0.89	1.87	2.39	2.22	1.14	0.82	0.75	0.65	0.61	
7	0.49	0.73	0.72	0.91	1.85	2.61	1.91	1.11	0.81	0.74	0.65	0.60	
8	0.49	0.85	1.52	0.90	2.76	2.87	1.93	1.09	0.80	0.74	0.64	0.60	
9	0.49	0.68	1.92	0.82	3.22	2.73	1.97	1.06	0.80	0.73	0.64	0.60	
10	0.48	0.61	1.68	0.81	2.06	1.97	1.69	1.05	0.80	0.73	0.64	0.60	
11	0.48	0.61	1.46	0.85	1.72	1.77	2.07	1.08	0.79	0.72	0.63	0.60	
12	0.48	0.60	1.53	0.85	1.69	2.18	4.03	1.60	0.79	0.72	0.63	0.60	
13	0.47	0.58	1.53	0.85	1.57	2.45	2.94	1.42	0.79	0.72	0.63	0.59	
14	0.47	0.57	1.23	0.95	1.44	4.15	2.06	1.20	0.78	0.71	0.65	0.59	
15	0.47	0.56	1.11	1.09	1.40	2.73	1.76	1.12	0.78	0.71	0.72	0.59	
16	0.47	0.74	0.97	1.20	1.47	2.10	1.84	1.08	0.78	0.71	0.70	0.59	
17	0.47	0.99	0.88	1.18	1.46	1.81	1.99	1.05	0.77	0.70	0.68	0.58	
18	0.47	0.73	0.81	2.07	1.45	1.70	1.92	1.03	0.77	0.70	0.70	0.58	
19	0.49	0.63	0.77	2.14	1.29	1.80	1.76	1.01	0.77	0.70	0.68	0.58	
20	0.58	0.62	0.74	1.61	1.36	1.76	1.60	0.98	0.76	0.70	0.66	0.58	
21	0.57	0.59	0.72	1.44	1.78	2.49	1.48	0.96	0.76	0.69	0.64	0.58	
22	0.61	0.55	0.70	1.28	1.97	2.31	1.46	0.95	0.76	0.69	0.63	0.58	
23	0.56	0.56	0.72	1.18	2.37	1.75	1.50	0.94	0.75	0.69	0.63	0.58	
24	0.54	0.58	0.81	1.09	2.27	1.54	1.30	0.91	0.75	0.69	0.64	0.59	
25	0.52	0.59	0.95	1.14	1.85	1.46	1.24	0.90	0.75	0.68	0.63	0.58	
26	0.53	1.05	0.86	1.17	2.40	1.48	1.24	0.89	0.74	0.68	0.62	0.60	
27	0.54	1.03	1.27	1.24	2.18	1.32	1.26	0.88	0.74	0.68	0.63	0.59	
28	0.61	1.35	2.71	1.09	1.80	1.31	1.70	0.87	0.74	0.68	0.62	0.57	
29	0.53	1.33	2.40	1.09	1.59	1.32	1.61	0.86	0.75	0.67	0.62	0.59	
30	0.50	1.22	1.69	1.09	1.47	1.30	1.46	0.85	0.76	0.67		0.58	
31		1.07		1.31	1.73		1.36		0.77	0.67		0.57	
MEAN	0.51	0.77	1.15	1.16	1.83	2.07	1.87	1.09	0.78	0.72	0.65	0.59	
MAX	0.61	1.35	2.71	2.14	3.22	4.15	4.03	1.60	0.84	0.82	0.72	0.62	4.15
MIN	0.47	0.55	0.68	0.81	1.29	1.30	1.18	0.85	0.74	0.67	0.62	0.57	0.47

ANNUAL MAX MOMENTARY GAGE HEIGHT 4.64 M (A.D), AT 24.00 HOURS, ON AUG 8, 1983
ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D), RIVER BED 0.43 M (A.D)
LEFT BANK ELEVATION 11.77 M (A.D)
RIGHT BANK ELEVATION 10.26 M (A.D), DRAINAGE AREA 991 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.30	0.57	6.30	17.24	23.60	46.40	12.90	20.48	3.10	2.50	1.39	1.04	
2	0.30	1.25	4.40	13.20	35.95	38.70	11.40	18.20	2.95	2.80	1.32	0.97	
3	0.30	2.65	2.95	9.60	27.50	44.20	66.20	14.40	2.95	2.50	1.32	0.97	
4	0.23	3.40	2.05	6.00	39.80	75.20	118.80	12.30	2.80	2.32	1.32	0.97	
5	0.23	1.46	1.69	4.80	44.75	75.20	109.80	11.10	2.80	2.23	1.25	0.97	
6	0.23	4.40	1.46	3.85	40.35	70.40	60.20	10.20	2.80	2.05	1.25	0.97	
7	0.21	1.87	1.78	4.20	39.25	85.70	42.55	9.30	2.65	1.96	1.25	0.90	
8	0.21	3.25	22.80	4.00	96.80	105.60	43.65	8.70	2.50	1.96	1.18	0.90	
9	0.21	1.46	43.10	2.80	136.90	94.40	45.85	7.80	2.50	1.87	1.18	0.90	
10	0.18	0.97	30.00	2.65	50.80	45.85	30.50	7.50	2.50	1.87	1.18	0.90	
11	0.18	0.97	20.48	3.25	32.10	34.85	51.35	8.40	2.41	1.78	1.11	0.90	
12	0.18	0.90	23.20	3.25	30.50	57.80	218.30	26.00	2.41	1.78	1.11	0.90	
13	0.16	0.77	23.20	3.25	24.80	74.50	111.60	18.96	2.41	1.78	1.11	0.83	
14	0.16	0.70	12.90	5.00	19.72	231.50	50.80	12.00	2.32	1.69	1.25	0.83	
15	0.16	0.63	9.30	8.70	18.20	94.40	34.30	9.60	2.32	1.69	1.78	0.83	
16	0.16	1.96	5.40	12.00	20.86	53.00	38.70	8.40	2.32	1.69	1.60	0.83	
17	0.16	5.80	3.70	11.40	20.48	37.05	46.95	7.50	2.23	1.60	1.46	0.77	
18	0.16	1.87	2.65	51.35	20.10	31.00	43.10	6.90	2.23	1.60	1.60	0.77	
19	0.21	1.11	2.23	55.40	14.70	36.50	34.30	6.30	2.23	1.60	1.46	0.77	
20	0.77	1.04	1.96	26.50	16.92	34.30	26.00	5.60	2.14	1.60	1.32	0.77	
21	0.70	0.83	1.78	19.72	35.40	77.30	21.24	5.20	2.14	1.53	1.18	0.77	
22	0.97	0.57	1.60	14.40	45.85	65.60	20.48	5.00	2.14	1.53	1.11	0.77	
23	0.63	0.63	1.78	11.40	69.20	33.75	22.00	4.80	2.05	1.53	1.11	0.77	
24	0.50	0.77	2.65	8.70	63.20	23.60	15.00	4.20	2.05	1.53	1.18	0.83	
25	0.36	0.83	5.00	10.20	39.25	20.48	13.20	4.00	2.05	1.46	1.11	0.77	
26	0.43	7.50	3.40	11.10	71.00	21.24	13.20	3.85	1.96	1.46	1.04	0.90	
27	0.50	6.90	14.10	13.20	57.80	15.64	13.80	3.70	1.96	1.46	1.11	0.83	
28	0.97	16.60	92.80	8.70	36.50	15.32	31.00	3.55	1.96	1.46	1.04	0.70	
29	0.43	15.96	71.00	8.70	25.60	15.64	26.50	3.40	2.05	1.39	1.04	0.83	
30	0.23	12.60	30.50	8.70	20.86	15.00	20.48	3.25	2.14	1.39		0.77	
31		8.10		15.32	32.65		16.92		2.23	1.39		0.70	
TOTAL	10.42	108.32	446.16	378.58	1251.39	1670.12	1411.07	270.59	73.30	55.00	36.36	26.33	5737.64 CMSDAY
MEAN	0.35	3.49	14.87	12.21	40.37	55.67	45.52	9.02	2.36	1.77	1.25	0.85	15.68 CMS
MAX	0.97	16.60	92.80	55.40	136.90	231.50	218.30	26.00	3.10	2.80	1.78	1.04	231.50 CMS
MIN	0.16	0.57	1.46	2.65	14.70	15.00	11.40	3.25	1.96	1.39	1.04	0.70	0.16 CMS
RUNOFF	0.900	9.359	38.548	32.709	108.120	144.298	121.916	23.379	6.333	4.752	3.142	2.275	495.732 MCM

MOMENTARY PEAK 287.80 CMS, AT 4.64 M (A.D), AT 24.00 HOURS, ON AUG 8, 1983

RUNOFF YIELD 15.82 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 290.41 LITERS/SECOND/SQUARE KM

WATER YEAR 1983

KHONG RIVER BASIN

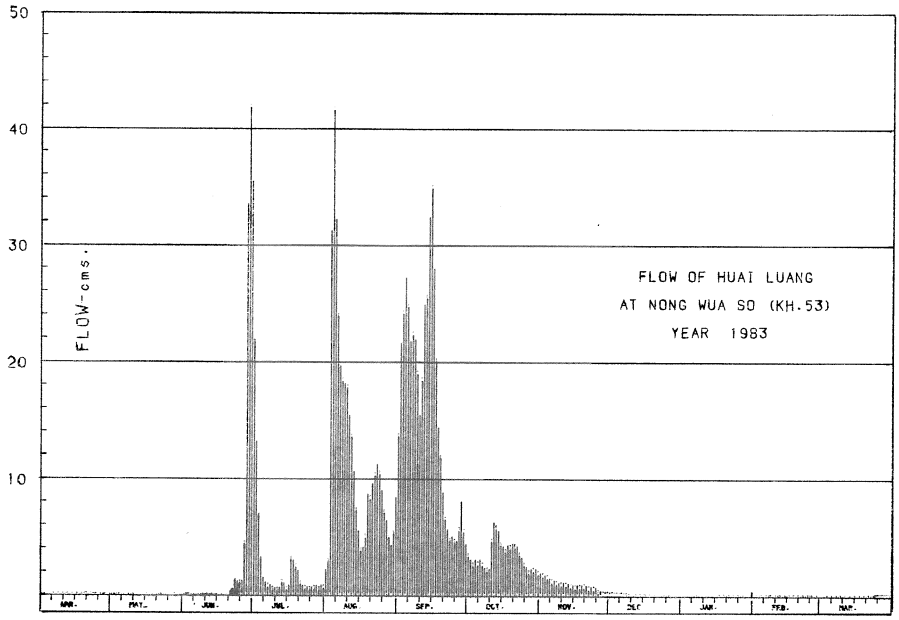
HUAI LUANG AT NONG WUA SO, UDON THANI (KH.53)

LOCATION	LAT. 17°-15'-53" N., LONG. 102°-35'-48" E., ON LEFT BANK AT THE BRIDGE OF UDON THANI-LOEI HIGHWAY, AMPHOE NONG WUA SO, UDON THANI.
DRAINAGE AREA	436 SQ.KM.
TYPE OF GAGE	WATER-STAGE RECORDER.
ZERO GAGE AT BOTTOM	+202.316 M.(M.S.L.)
BENCH MARK	B.M.-H.D.
LOCATION	ON RIGHT BANK AT THE ABUTMENT OF THE BRIDGE.
ELEVATION	+208.00 M.(M.S.L.)
GAGE READING FREQUENCY	RECORDING.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 24 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1970 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1975 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1975 TO DATE.
STABILITY OF CHANNEL REGIMES	STABLE.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS GOOD. STAGE-DISCHARGE RELATION DEFINED BY 79 DISCHARGE MEASUREMENTS MADE IN 1983.

GAGE HEIGHT IN METER (MSL), WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	202.16	202.13	202.14	204.03	202.59	203.49	202.75	202.56	202.25	202.20	202.18	202.17	
2	202.16	202.13	202.19	203.45	202.69	204.01	202.69	202.56	202.25	202.19	202.18	202.17	
3	202.16	202.16	202.18	203.04	204.53	204.17	202.66	202.54	202.25	202.19	202.18	202.17	
4	202.16	202.15	202.18	202.71	205.03	204.32	202.69	202.54	202.24	202.19	202.18	202.17	
5	202.16	202.15	202.17	202.54	204.58	204.20	202.67	202.51	202.24	202.19	202.18	202.17	
6	202.16	202.14	202.16	202.43	204.16	204.02	202.69	202.50	202.24	202.19	202.18	202.17	
7	202.16	202.14	202.16	202.40	203.88	204.07	202.66	202.48	202.24	202.18	202.18	202.17	
8	202.16	202.14	202.17	202.38	203.81	204.03	202.61	202.46	202.23	202.18	202.18	202.17	
9	202.16	202.14	202.18	202.34	203.78	203.85	202.61	202.43	202.23	202.18	202.18	202.17	
10	202.16	202.14	202.18	202.32	203.77	203.60	202.60	202.44	202.22	202.18	202.18	202.17	
11	202.16	202.14	202.17	202.32	203.60	203.81	202.89	202.44	202.22	202.19	202.18	202.17	
12	202.16	202.14	202.17	202.33	203.49	204.20	202.99	202.43	202.22	202.19	202.18	202.17	
13	202.16	202.14	202.16	202.47	203.28	204.24	202.97	202.42	202.22	202.19	202.18	202.17	
14	202.16	202.14	202.16	202.41	203.07	204.59	202.94	202.40	202.21	202.19	202.18	202.17	
15	202.16	202.14	202.13	202.34	202.94	204.73	202.86	202.39	202.21	202.19	202.18	202.17	
16	202.16	202.15	202.13	202.37	202.80	204.36	202.82	202.38	202.21	202.20	202.18	202.17	
17	202.16	202.15	202.13	202.71	202.81	203.92	202.79	202.39	202.21	202.20	202.18	202.17	
18	202.16	202.15	202.13	202.68	202.92	203.53	202.83	202.39	202.20	202.19	202.18	202.17	
19	202.17	202.15	202.13	202.64	203.15	203.37	202.83	202.39	202.20	202.19	202.18	202.17	
20	202.19	202.15	202.14	202.58	203.14	203.16	202.85	202.40	202.20	202.19	202.18	202.17	
21	202.16	202.15	202.30	202.45	203.21	203.02	202.84	202.38	202.20	202.19	202.18	202.17	
22	202.19	202.15	202.30	202.37	203.27	202.95	202.82	202.36	202.20	202.19	202.18	202.17	
23	202.17	202.14	202.49	202.36	203.32	202.90	202.76	202.35	202.20	202.19	202.18	202.19	
24	202.16	202.13	202.45	202.34	203.28	202.91	202.71	202.35	202.20	202.19	202.18	202.21	
25	202.15	202.13	202.46	202.34	203.17	202.89	202.66	202.34	202.20	202.18	202.18	202.21	
26	202.15	202.13	202.46	202.34	203.06	202.87	202.62	202.29	202.20	202.18	202.18	202.21	
27	202.14	202.14	202.86	202.36	203.00	202.96	202.59	202.27	202.19	202.18	202.18	202.21	
28	202.14	202.17	204.65	202.37	202.92	203.11	202.60	202.26	202.19	202.18	202.18	202.21	
29	202.13	202.16	205.04	202.34	202.83	202.95	202.61	202.26	202.19	202.18	202.18	202.21	
30	202.13	202.15	204.75	202.37	202.94	202.84	202.60	202.26	202.20	202.18		202.21	
31		202.15		202.37	203.13		202.58		202.20	202.31		202.21	
MEAN	202.16	202.14	202.50	202.53	203.36	203.64	202.74	202.41	202.21	202.19	202.18	202.18	
MAX	202.19	202.17	205.04	204.03	205.03	204.73	202.99	202.56	202.25	202.31	202.18	202.21	205.04
MIN	202.13	202.13	202.13	202.32	202.59	202.84	202.58	202.26	202.19	202.18	202.18	202.17	202.13

ANNUAL MAX MOMENTARY GAGE HEIGHT 205.15 M (MSL), AT 8.00 HOURS, ON AUG 4, 1983
ZERO GAGE AT BOTTOM ELEVATION 202.31 M (MSL), RIVER BED 202.17 M (MSL)
LEFT BANK ELEVATION 207.82 M (MSL)
RIGHT BANK ELEVATION 207.81 M (MSL), DRAINAGE AREA 436 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.15	0.11	0.12	21.95	2.29	13.85	3.69	2.02	0.42	0.20	0.17	0.16	
2	0.15	0.11	0.19	13.25	3.16	21.65	3.16	2.02	0.42	0.19	0.17	0.16	
3	0.15	0.15	0.17	7.10	31.29	24.35	2.90	1.85	0.42	0.19	0.17	0.16	
4	0.15	0.13	0.17	3.34	41.82	27.24	3.16	1.85	0.37	0.19	0.17	0.16	
5	0.15	0.13	0.16	1.85	32.26	24.93	2.99	1.59	0.37	0.19	0.17	0.16	
6	0.15	0.12	0.15	1.20	24.16	21.80	3.16	1.50	0.37	0.19	0.17	0.16	
7	0.15	0.12	0.15	1.07	19.70	22.55	2.90	1.41	0.37	0.17	0.17	0.16	
8	0.15	0.12	0.16	0.98	18.65	21.95	2.46	1.33	0.33	0.17	0.17	0.16	
9	0.15	0.12	0.17	0.81	18.20	19.25	2.46	1.20	0.33	0.17	0.17	0.16	
10	0.15	0.12	0.17	0.72	18.05	15.50	2.37	1.24	0.29	0.17	0.17	0.16	
11	0.15	0.12	0.16	0.72	15.50	18.65	4.91	1.24	0.29	0.19	0.17	0.16	
12	0.15	0.12	0.16	0.76	13.85	24.93	6.35	1.20	0.29	0.19	0.17	0.16	
13	0.15	0.12	0.15	1.37	10.70	25.70	6.05	1.15	0.29	0.19	0.17	0.16	
14	0.15	0.12	0.15	1.11	7.55	32.45	5.60	1.07	0.24	0.19	0.17	0.16	
15	0.15	0.12	0.11	0.81	5.60	35.15	4.65	1.02	0.24	0.19	0.17	0.16	
16	0.15	0.13	0.11	0.94	4.13	28.01	4.30	0.98	0.24	0.20	0.17	0.16	
17	0.15	0.13	0.11	3.34	4.21	20.30	4.04	1.02	0.24	0.20	0.17	0.16	
18	0.15	0.13	0.11	3.07	5.30	14.45	4.39	1.02	0.20	0.19	0.17	0.16	
19	0.16	0.13	0.11	2.73	8.75	12.05	4.39	1.02	0.20	0.19	0.17	0.16	
20	0.19	0.13	0.12	2.20	8.60	8.90	4.56	1.07	0.20	0.19	0.17	0.16	
21	0.15	0.13	0.63	1.28	9.65	6.80	4.48	0.98	0.20	0.19	0.17	0.16	
22	0.19	0.13	0.63	0.94	10.55	5.75	4.30	0.89	0.20	0.19	0.17	0.16	
23	0.16	0.12	1.46	0.89	11.30	5.00	3.77	0.85	0.20	0.19	0.17	0.19	
24	0.15	0.11	1.28	0.81	10.70	5.15	3.34	0.85	0.20	0.19	0.17	0.24	
25	0.13	0.11	1.33	0.81	9.05	4.91	2.90	0.81	0.20	0.17	0.17	0.24	
26	0.13	0.11	1.33	0.81	7.40	4.74	2.55	0.59	0.20	0.17	0.17	0.24	
27	0.12	0.12	4.65	0.89	6.50	5.90	2.29	0.50	0.19	0.17	0.17	0.24	
28	0.12	0.16	33.61	0.94	5.30	8.15	2.37	0.46	0.19	0.17	0.17	0.24	
29	0.11	0.15	42.05	0.81	4.39	5.75	2.46	0.46	0.19	0.17	0.17	0.24	
30	0.11	0.13	35.54	0.94	5.60	4.48	2.37	0.46	0.20	0.17		0.24	
31		0.13		0.94	8.45		2.20		0.20	0.68		0.24	
TOTAL	4.42	3.88	125.41	79.38	382.66	490.29	111.52	33.65	8.29	6.21	4.93	5.63	1256.27 CMSDAY
MEAN	0.15	0.13	4.18	2.56	12.34	16.34	3.60	1.12	0.27	0.20	0.17	0.18	3.43 CMS
MAX	0.19	0.16	42.05	21.95	41.82	35.15	6.35	2.02	0.42	0.68	0.17	0.24	42.05 CMS
MIN	0.11	0.11	0.11	0.72	2.29	4.48	2.20	0.46	0.19	0.17	0.17	0.16	0.11 CMS
RUNOFF	0.382	0.335	10.835	6.858	33.062	42.361	9.635	2.907	0.716	0.537	0.426	0.486	108.542 MCM

MOMENTARY PEAK 44.59 CMS, AT 205.15 M (MSL), AT 8.00 HOURS, ON AUG 4, 1983

RUNOFF YIELD 7.87 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 102.28 LITERS/SECOND/SQUARE KM

WATER YEAR 1983

KHONG RIVER BASIN

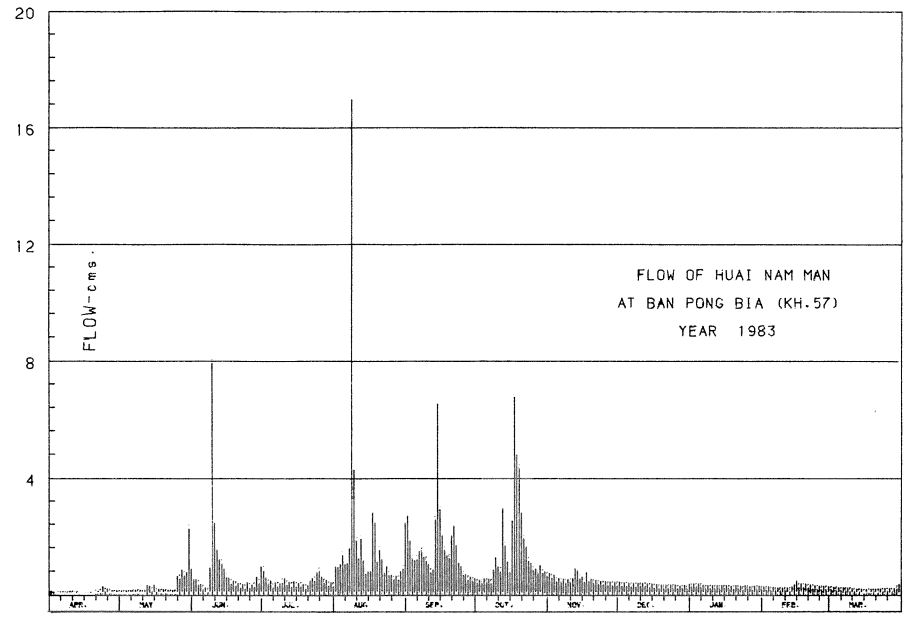
HUAI NAM MAN AT BAN PONG BIA, LOEI (KH.57)

LOCATION	LAT. 17°-30′-13″ N., LONG. 101°-37′-35″ E., ON LEFT BANK AT BAN PONG BIA, TAMBON NAM MAN, AMPHOE MUANG, LOEI.
DRAINAGE AREA	79 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM	+0.00 M. (A.D.)
BENCH MARK	B.M.-H.D.
LOCATION	NEAR THE GAGE OBSERVER'S HOUSE.
ELEVATION	+12.895 M. (A.D.)
GAGE READING FREQUENCY	5-TIME DAILY READINGS AT 06.00, 09.00, 12.00, 15.00 AND 18.00 HOURS.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 5 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1977 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1977 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1977 TO DATE.
STABILITY OF CHANNEL REGIMES	STABLE.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS FAIR. STAGE-DISCHARGE RELATION DEFINED BY 156 DISCHARGE MEASUREMENTS MADE IN 1983.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.27	0.28	0.53	0.62	0.62	0.96	0.47	0.55	0.43	0.40	0.35	0.35	
2	0.25	0.28	0.47	0.50	0.65	0.81	0.46	0.54	0.42	0.40	0.35	0.34	
3	0.25	0.28	0.45	0.46	0.64	0.71	0.47	0.53	0.42	0.40	0.35	0.34	
4	0.26	0.28	0.39	0.45	0.74	0.67	0.49	0.50	0.42	0.40	0.34	0.33	
5	0.26	0.29	0.37	0.40	0.64	0.71	0.48	0.49	0.41	0.40	0.34	0.33	
6	0.26	0.29	0.33	0.42	0.68	0.74	0.48	0.48	0.41	0.38	0.33	0.33	
7	0.26	0.29	0.32	0.42	0.76	0.76	0.47	0.48	0.41	0.37	0.33	0.33	
8	0.26	0.30	0.61	0.40	2.21	0.70	0.59	0.47	0.41	0.37	0.33	0.33	
9	0.27	0.29	1.52	0.48	1.14	0.70	0.72	0.47	0.41	0.37	0.33	0.33	
10	0.27	0.28	0.91	0.49	0.83	0.64	0.62	0.48	0.41	0.37	0.33	0.32	
11	0.26	0.29	0.78	0.45	0.69	0.60	0.61	0.49	0.41	0.37	0.33	0.32	
12	0.26	0.44	0.68	0.43	0.84	0.59	0.98	0.63	0.41	0.37	0.33	0.31	
13	0.25	0.36	0.68	0.42	0.67	0.94	0.80	0.58	0.40	0.37	0.35	0.31	
14	0.25	0.33	0.60	0.44	0.59	1.38	0.66	0.53	0.40	0.37	0.45	0.31	
15	0.25	0.38	0.55	0.42	0.57	0.99	0.60	0.51	0.40	0.37	0.45	0.30	
16	0.25	0.32	0.50	0.41	0.61	0.84	0.92	0.49	0.39	0.37	0.40	0.30	
17	0.25	0.31	0.47	0.42	0.96	0.77	1.41	0.56	0.39	0.37	0.40	0.31	
18	0.25	0.30	0.45	0.39	0.93	0.71	1.20	0.50	0.38	0.36	0.40	0.31	
19	0.25	0.30	0.43	0.38	0.66	0.72	1.16	0.48	0.38	0.36	0.40	0.31	
20	0.28	0.30	0.41	0.37	0.77	0.84	0.96	0.47	0.38	0.37	0.39	0.31	
21	0.27	0.29	0.40	0.51	0.68	0.91	0.84	0.46	0.38	0.37	0.38	0.31	
22	0.30	0.29	0.39	0.49	0.60	0.78	0.77	0.45	0.38	0.36	0.38	0.31	
23	0.35	0.29	0.38	0.51	0.62	0.68	0.70	0.44	0.38	0.35	0.37	0.32	
24	0.32	0.29	0.42	0.56	0.57	0.62	0.65	0.44	0.38	0.37	0.37	0.32	
25	0.31	0.52	0.40	0.61	0.53	0.57	0.62	0.44	0.38	0.37	0.36	0.32	
26	0.30	0.53	0.38	0.51	0.52	0.54	0.60	0.43	0.37	0.35	0.36	0.32	
27	0.28	0.59	0.41	0.48	0.52	0.52	0.59	0.43	0.36	0.35	0.36	0.32	
28	0.28	0.57	0.51	0.46	0.52	0.51	0.63	0.43	0.37	0.36	0.36	0.32	
29	0.28	0.56	0.47	0.43	0.57	0.50	0.59	0.43	0.37	0.36	0.35	0.37	
30	0.28	0.90	0.62	0.42	0.63	0.49	0.57	0.43	0.37	0.36		0.39	
31		0.60		0.42	0.91		0.56		0.39	0.35		0.47	
MEAN	0.27	0.37	0.53	0.46	0.74	0.73	0.70	0.49	0.39	0.37	0.36	0.33	
MAX	0.35	0.90	1.52	0.62	2.21	1.38	1.41	0.63	0.43	0.40	0.45	0.47	2.21
MIN	0.25	0.28	0.32	0.37	0.52	0.49	0.46	0.43	0.36	0.35	0.33	0.30	0.25

ANNUAL MAX MOMENTARY GAGE HEIGHT 3.30 M (A.D), AT 6.00 HOURS, ON AUG 8, 1983
ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D), RIVER BED 0.14 M (A.D)
LEFT BANK ELEVATION 0.78 M (A.D)
RIGHT BANK ELEVATION 5.41 M (A.D), DRAINAGE AREA 79 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.14	0.16	0.69	0.98	0.98	2.82	0.54	0.75	0.46	0.40	0.30	0.30	
2	0.10	0.16	0.54	0.60	1.10	1.86	0.52	0.72	0.44	0.40	0.30	0.28	
3	0.10	0.16	0.50	0.52	1.06	1.35	0.54	0.69	0.44	0.40	0.30	0.28	
4	0.12	0.16	0.38	0.50	1.50	1.18	0.58	0.60	0.44	0.40	0.28	0.26	
5	0.12	0.18	0.34	0.40	1.06	1.35	0.56	0.58	0.42	0.40	0.28	0.26	
6	0.12	0.18	0.26	0.44	1.22	1.50	0.56	0.56	0.42	0.36	0.26	0.26	
7	0.12	0.18	0.24	0.44	1.60	1.60	0.54	0.56	0.42	0.34	0.26	0.26	
8	0.12	0.20	0.94	0.40	17.06	1.30	0.87	0.54	0.42	0.34	0.26	0.26	
9	0.14	0.18	8.05	0.56	4.29	1.30	1.40	0.54	0.42	0.34	0.26	0.26	
10	0.14	0.16	2.47	0.58	1.98	1.06	0.98	0.56	0.42	0.34	0.26	0.24	
11	0.12	0.18	1.70	0.50	1.26	0.90	0.94	0.58	0.42	0.34	0.26	0.24	
12	0.12	0.48	1.22	0.46	2.04	0.87	2.96	1.02	0.42	0.34	0.26	0.22	
13	0.10	0.32	1.22	0.44	1.18	2.68	1.80	0.84	0.40	0.34	0.30	0.22	
14	0.10	0.26	0.90	0.48	0.87	6.55	1.14	0.69	0.40	0.34	0.50	0.22	
15	0.10	0.36	0.75	0.44	0.81	3.03	0.90	0.63	0.40	0.34	0.50	0.20	
16	0.10	0.24	0.60	0.42	0.94	2.04	2.54	0.58	0.38	0.34	0.40	0.20	
17	0.10	0.22	0.54	0.44	2.82	1.65	6.87	0.78	0.38	0.34	0.40	0.22	
18	0.10	0.20	0.50	0.38	2.61	1.35	4.80	0.60	0.36	0.32	0.40	0.22	
19	0.10	0.20	0.46	0.36	1.14	1.40	4.46	0.56	0.36	0.32	0.40	0.22	
20	0.16	0.20	0.42	0.34	1.65	2.04	2.82	0.54	0.36	0.34	0.38	0.22	
21	0.14	0.18	0.40	0.63	1.22	2.47	2.04	0.52	0.36	0.34	0.36	0.22	
22	0.20	0.18	0.38	0.58	0.90	1.70	1.65	0.50	0.36	0.32	0.36	0.22	
23	0.30	0.18	0.36	0.63	0.98	1.22	1.30	0.48	0.36	0.30	0.34	0.24	
24	0.24	0.18	0.44	0.78	0.81	0.98	1.10	0.48	0.36	0.34	0.34	0.24	
25	0.22	0.66	0.40	0.94	0.69	0.81	0.98	0.48	0.36	0.34	0.32	0.24	
26	0.20	0.69	0.36	0.63	0.66	0.72	0.90	0.46	0.34	0.30	0.32	0.24	
27	0.16	0.87	0.42	0.56	0.66	0.66	0.87	0.46	0.32	0.30	0.32	0.24	
28	0.16	0.81	0.63	0.52	0.66	0.63	1.02	0.46	0.34	0.32	0.32	0.24	
29	0.16	0.78	0.54	0.46	0.81	0.60	0.87	0.46	0.34	0.32	0.30	0.34	
30	0.16	2.40	0.98	0.44	1.02	0.58	0.81	0.46	0.34	0.32		0.38	
31		0.90		0.44	2.47		0.78		0.38	0.30		0.54	
TOTAL	4.26	12.21	27.63	16.29	58.05	48.20	48.64	17.68	12.04	10.58	9.54	7.98	273.10 CMSDAY
MEAN	0.14	0.39	0.92	0.53	1.87	1.61	1.57	0.59	0.39	0.34	0.33	0.26	0.75 CMS
MAX	0.30	2.40	8.05	0.98	17.06	6.55	6.87	1.02	0.46	0.40	0.50	0.54	17.06 CMS
MIN	0.10	0.16	0.24	0.34	0.66	0.58	0.52	0.46	0.32	0.30	0.26	0.20	0.10 CMS
RUNOFF	0.368	1.055	2.387	1.407	5.016	4.164	4.202	1.528	1.040	0.914	0.824	0.689	23.596 MCM

MOMENTARY PEAK 38.17 CMS, AT 3.30 M (A.D), AT 6.00 HOURS, ON AUG 8, 1983

RUNOFF YIELD 9.45 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 483.12 LITERS/SECOND/SQUARE KM

WATER YEAR 1983

KHONG RIVER BASIN

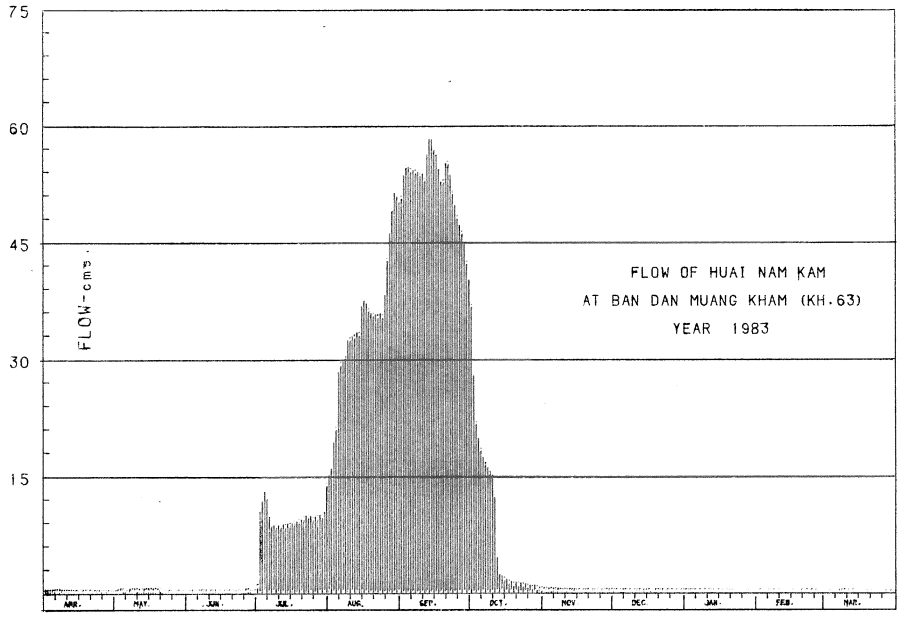
HUAI NAM KAM AT BAN DAN MUANG KHAM, SAKON NAKHON (KH.63)

LOCATION	LAT. 17°-06'-15" N., LONG. 104°-21'-26" E., ON LEFT BANK AT THE BRIDGE ON ROAD, BAN DAN MUANG KHAM, KING AMPHOE KHOK SI SUPHAN, SAKON NAKHON.
DRAINAGE AREA	1,764 SQ.KM.
TYPE OF GAGE	WATER-STAGE RECORDER.
ZERO GAGE AT BOTTOM	+0.00 M.(A.D.)
BENCH MARK	B.M.-H.D.
LOCATION	ON LEFT BANK AT THE ABUTMENT OF THE BRIDGE.
ELEVATION	+7.428 M.(A.D.)
GAGE READING FREQUENCY	RECORDING.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 24 READINGS
PERIOD OF AVAILABLE GAGE RECORDS	1982 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1982 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1982 TO DATE.
STABILITY OF CHANNEL REGIMES	STABLE.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW .
GENERAL DESCRIPTION	RECORDS GOOD. STAGE-DISCHARGE RELATION DEFINED BY 38 DISCHARGE MEASUREMENTS MADE IN 1983.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.50	0.45	0.46	0.67	2.12	4.15	3.44	0.55	0.49	0.48	0.46	0.44	
2	0.50	0.49	0.46	1.75	2.21	4.28	2.91	0.54	0.49	0.48	0.46	0.44	
3	0.49	0.55	0.45	1.89	2.40	4.34	2.56	0.54	0.49	0.48	0.46	0.45	
4	0.50	0.55	0.45	1.96	2.52	4.33	2.43	0.54	0.49	0.48	0.46	0.46	
5	0.52	0.47	0.45	1.92	2.94	4.32	2.35	0.53	0.49	0.48	0.46	0.46	
6	0.52	0.46	0.48	1.69	3.01	4.31	2.28	0.53	0.49	0.48	0.46	0.46	
7	0.53	0.53	0.49	1.62	3.02	4.31	2.23	0.52	0.49	0.48	0.46	0.46	
8	0.50	0.54	0.48	1.60	3.06	4.30	2.19	0.51	0.49	0.48	0.46	0.46	
9	0.49	0.55	0.48	1.61	3.18	4.29	2.15	0.51	0.49	0.48	0.46	0.46	
10	0.48	0.55	0.47	1.60	3.20	4.29	2.12	0.51	0.49	0.49	0.46	0.45	
11	0.49	0.54	0.46	1.61	3.21	4.26	1.92	0.51	0.49	0.48	0.46	0.45	
12	0.48	0.54	0.47	1.61	3.22	4.40	1.18	0.51	0.48	0.46	0.46	0.46	
13	0.48	0.54	0.47	1.61	3.24	4.51	0.94	0.51	0.48	0.46	0.46	0.45	
14	0.47	0.55	0.48	1.62	3.24	4.49	0.86	0.49	0.48	0.46	0.46	0.44	
15	0.48	0.55	0.47	1.62	3.43	4.44	0.83	0.49	0.48	0.46	0.46	0.44	
16	0.48	0.55	0.46	1.62	3.49	4.40	0.79	0.49	0.48	0.46	0.46	0.43	
17	0.48	0.54	0.48	1.64	3.45	4.33	0.76	0.49	0.48	0.46	0.45	0.43	
18	0.48	0.55	0.48	1.64	3.41	4.24	0.74	0.50	0.48	0.46	0.46	0.43	
19	0.48	0.56	0.48	1.66	3.38	4.25	0.71	0.50	0.48	0.46	0.47	0.43	
20	0.48	0.55	0.48	1.66	3.38	4.35	0.71	0.50	0.48	0.46	0.47	0.43	
21	0.46	0.47	0.48	1.69	3.37	4.36	0.70	0.50	0.48	0.45	0.47	0.42	
22	0.46	0.45	0.48	1.70	3.37	4.28	0.70	0.50	0.48	0.45	0.47	0.41	
23	0.45	0.46	0.50	1.71	3.38	4.18	0.68	0.50	0.48	0.46	0.47	0.41	
24	0.46	0.47	0.49	1.70	3.37	4.09	0.67	0.50	0.47	0.46	0.47	0.40	
25	0.45	0.47	0.50	1.68	3.51	4.02	0.64	0.50	0.48	0.45	0.46	0.40	
26	0.45	0.46	0.53	1.69	3.75	3.96	0.62	0.50	0.48	0.46	0.45	0.40	
27	0.45	0.47	0.54	1.70	3.91	3.92	0.60	0.50	0.48	0.46	0.45	0.40	
28	0.45	0.46	0.49	1.71	4.07	3.85	0.62	0.50	0.48	0.46	0.45	0.41	
29	0.45	0.46	0.49	1.71	4.17	3.73	0.59	0.50	0.48	0.46	0.44	0.39	
30	0.47	0.46	0.50	1.74	4.17	3.61	0.56	0.50	0.48	0.47		0.39	
31		0.46		2.04	4.11		0.55		0.48	0.46		0.39	
MEAN	0.48	0.51	0.48	1.67	3.30	4.22	1.32	0.51	0.48	0.47	0.46	0.43	
MAX	0.53	0.56	0.54	2.04	4.17	4.51	3.44	0.55	0.49	0.49	0.47	0.46	4.51
MIN	0.45	0.45	0.45	0.67	2.12	3.61	0.55	0.49	0.47	0.45	0.44	0.39	0.39

ANNUAL MAX MOMENTARY GAGE HEIGHT 4.52 M (A.D), AT 18.00 HOURS, ON SEP 13, 1983
ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D), RIVER BED -0.06 M (A.D)
LEFT BANK ELEVATION 7.28 M (A.D)
RIGHT BANK ELEVATION 7.60 M (A.D), DRAINAGE AREA 1764 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.60	0.50	0.52	1.28	15.18	51.00	37.02	0.80	0.58	0.56	0.52	0.48	
2	0.60	0.58	0.52	10.60	16.45	53.68	27.91	0.76	0.58	0.56	0.52	0.48	
3	0.58	0.80	0.50	12.28	19.40	54.98	22.01	0.76	0.58	0.56	0.52	0.50	
4	0.60	0.80	0.50	13.12	21.34	54.76	19.88	0.76	0.58	0.56	0.52	0.52	
5	0.68	0.54	0.50	12.64	28.42	54.54	18.60	0.72	0.58	0.56	0.52	0.52	
6	0.68	0.52	0.56	9.88	29.60	54.32	17.50	0.72	0.58	0.56	0.52	0.52	
7	0.72	0.72	0.58	9.04	29.77	54.32	16.75	0.68	0.58	0.56	0.52	0.52	
8	0.60	0.76	0.56	8.80	30.44	54.10	16.16	0.64	0.58	0.56	0.52	0.52	
9	0.58	0.80	0.56	8.92	32.46	53.89	15.60	0.64	0.58	0.56	0.52	0.52	
10	0.56	0.80	0.54	8.80	32.80	53.89	15.18	0.64	0.58	0.58	0.52	0.50	
11	0.58	0.76	0.52	8.92	32.97	53.26	12.64	0.64	0.58	0.56	0.52	0.50	
12	0.56	0.76	0.54	8.92	33.15	56.30	4.64	0.64	0.56	0.52	0.52	0.52	
13	0.56	0.76	0.54	8.92	33.50	58.73	2.80	0.64	0.56	0.52	0.52	0.50	
14	0.54	0.80	0.56	9.04	33.50	58.28	2.26	0.58	0.56	0.52	0.52	0.48	
15	0.56	0.80	0.54	9.04	36.84	57.18	2.08	0.58	0.56	0.52	0.52	0.48	
16	0.56	0.80	0.52	9.04	37.92	56.30	1.85	0.58	0.56	0.52	0.52	0.46	
17	0.56	0.76	0.56	9.28	37.20	54.76	1.70	0.58	0.56	0.52	0.50	0.46	
18	0.56	0.80	0.56	9.28	36.48	52.84	1.60	0.60	0.56	0.52	0.52	0.46	
19	0.56	0.84	0.56	9.52	35.95	53.05	1.45	0.60	0.56	0.52	0.54	0.46	
20	0.56	0.80	0.56	9.52	35.95	55.20	1.45	0.60	0.56	0.52	0.54	0.46	
21	0.52	0.54	0.56	9.88	35.77	55.42	1.40	0.60	0.56	0.50	0.54	0.44	
22	0.52	0.50	0.56	10.00	35.77	53.68	1.40	0.60	0.56	0.50	0.54	0.42	
23	0.50	0.52	0.60	10.12	35.95	51.60	1.32	0.60	0.56	0.52	0.54	0.42	
24	0.52	0.54	0.58	10.00	35.77	49.80	1.28	0.60	0.54	0.52	0.54	0.40	
25	0.50	0.54	0.60	9.76	38.29	48.40	1.16	0.60	0.56	0.50	0.52	0.40	
26	0.50	0.52	0.72	9.88	43.00	47.20	1.08	0.60	0.56	0.52	0.50	0.40	
27	0.50	0.54	0.76	10.00	46.20	46.40	1.00	0.60	0.56	0.52	0.50	0.40	
28	0.50	0.52	0.58	10.12	49.40	45.00	1.08	0.60	0.56	0.52	0.50	0.42	
29	0.50	0.52	0.58	10.12	51.40	42.60	0.96	0.60	0.56	0.52	0.48	0.38	
30	0.54	0.52	0.60	10.48	51.40	40.20	0.84	0.60	0.56	0.54		0.38	
31		0.52		14.12	50.20		0.80		0.56	0.52		0.38	
TOTAL	16.90	20.48	16.94	301.32	1082.47	1575.68	251.40	19.16	17.56	16.54	15.08	14.30	3347.83 CMSDAY
MEAN	0.56	0.66	0.56	9.72	34.92	52.52	8.11	0.64	0.57	0.53	0.52	0.46	9.15 CMS
MAX	0.72	0.84	0.76	14.12	51.40	58.73	37.02	0.80	0.58	0.58	0.54	0.52	58.73 CMS
MIN	0.50	0.50	0.50	1.28	15.18	40.20	0.80	0.58	0.54	0.50	0.48	0.38	0.38 CMS
RUNOFF	1.460	1.769	1.464	26.034	93.525	136.139	21.721	1.655	1.517	1.429	1.303	1.236	289.253 MCM

MOMENTARY PEAK 58.96 CMS, AT 4.52 M (A.D), AT 18.00 HOURS, ON SEP 13, 1983
RUNOFF YIELD 5.19 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 33.42 LITERS/SECOND/SQUARE KM

WATER YEAR 1983

KHONG RIVER BASIN

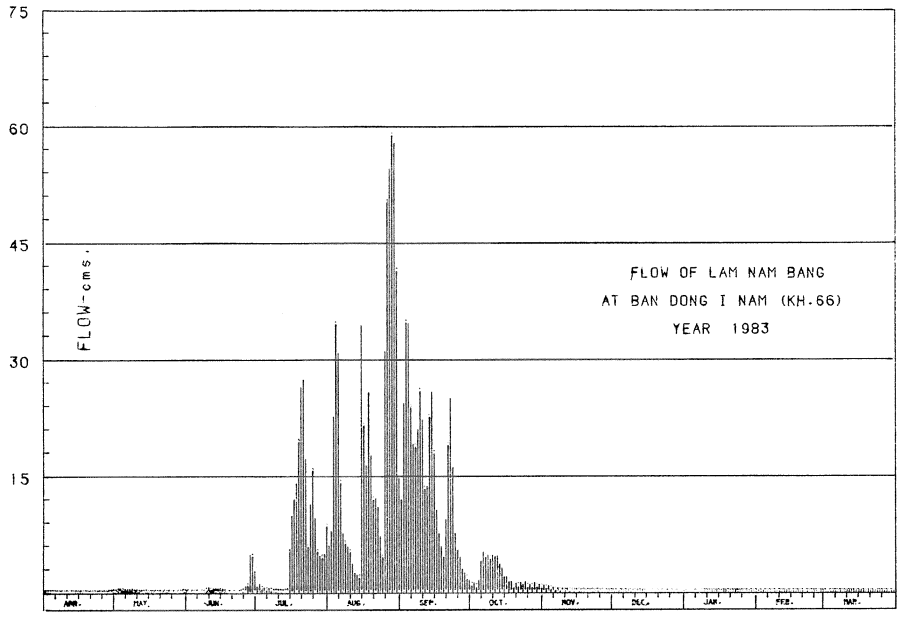
LAM NAM BANG AT BAN DONG I NAM, NAKHON PHANOM (KH.66)

LOCATION	LAT. 17°-04'-22" N., LONG. 104°-34'-38" E., ON RIGHT BANK AT THE BRIDGE ON ROAD, BAN DONG I NAM, AMPHOE NA KAE, NAKHON PHANOM.
DRAINAGE AREA	441 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM	+0.00 M.(A.D.)
BENCH MARK	B.M.-H.D.
LOCATION	ON RIGHT BANK AT THE ABUTMENT OF THE BRIDGE.
ELEVATION	+9.393 M.(A.D.)
GAGE READING FREQUENCY	5-TIME DAILY READINGS AT 06.00, 09.00, 12.00, 15.00 AND 18.00 HOURS.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 5 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1982 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1982 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1982 TO DATE.
STABILITY OF CHANNEL REGIMES	STABLE.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS GOOD. STAGE-DISCHARGE RELATION DEFINED BY 19 DISCHARGE MEASUREMENTS MADE IN 1983.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	1.81	1.83	1.82	2.01	2.51	2.91	2.00	1.93	1.82	1.79	1.81	1.81	
2	1.81	1.85	1.81	1.98	2.67	3.49	1.99	1.92	1.82	1.79	1.81	1.81	
3	1.81	1.86	1.81	1.91	3.41	4.00	1.96	1.91	1.82	1.79	1.81	1.81	
4	1.81	1.85	1.82	1.87	3.99	3.98	2.05	1.89	1.82	1.80	1.81	1.81	
5	1.81	1.84	1.81	1.87	3.80	3.48	2.37	1.88	1.82	1.80	1.81	1.81	
6	1.80	1.83	1.81	1.86	3.02	3.24	2.44	1.87	1.82	1.80	1.81	1.81	
7	1.80	1.84	1.81	1.86	2.63	3.24	2.42	1.86	1.82	1.80	1.81	1.81	
8	1.80	1.84	1.82	1.84	2.56	3.33	2.41	1.85	1.82	1.81	1.81	1.81	
9	1.80	1.83	1.86	1.84	2.50	3.58	2.40	1.85	1.82	1.81	1.81	1.81	
10	1.80	1.82	1.90	1.84	2.47	3.39	2.41	1.84	1.82	1.81	1.81	1.81	
11	1.80	1.82	1.87	1.83	2.31	2.98	2.43	1.85	1.82	1.81	1.81	1.81	
12	1.80	1.81	1.85	1.83	2.22	2.98	2.40	1.85	1.82	1.81	1.81	1.81	
13	1.80	1.82	1.85	1.83	2.15	3.42	2.34	1.85	1.82	1.81	1.81	1.81	
14	1.80	1.82	1.85	1.86	2.15	3.56	2.25	1.84	1.81	1.81	1.81	1.81	
15	1.80	1.81	1.85	2.47	3.97	3.20	2.16	1.84	1.81	1.81	1.81	1.81	
16	1.80	1.81	1.84	2.78	3.37	2.82	2.12	1.84	1.81	1.81	1.81	1.81	
17	1.80	1.81	1.82	2.91	3.11	2.65	2.09	1.83	1.81	1.81	1.81	1.81	
18	1.80	1.81	1.81	3.00	3.57	2.50	2.02	1.83	1.81	1.81	1.81	1.81	
19	1.80	1.81	1.80	3.27	3.17	2.42	1.94	1.83	1.81	1.81	1.81	1.81	
20	1.80	1.81	1.80	3.59	2.91	2.75	1.98	1.83	1.81	1.81	1.81	1.81	
21	1.80	1.81	1.80	3.65	2.90	3.25	1.98	1.83	1.81	1.81	1.81	1.81	
22	1.80	1.81	1.80	3.15	2.86	3.52	2.00	1.83	1.81	1.81	1.81	1.81	
23	1.80	1.81	1.80	2.52	2.60	3.11	2.03	1.83	1.80	1.81	1.81	1.81	
24	1.80	1.81	1.82	2.86	2.41	2.63	2.02	1.83	1.80	1.81	1.81	1.81	
25	1.80	1.80	1.84	3.09	3.81	2.49	1.96	1.83	1.80	1.81	1.81	1.81	
26	1.80	1.80	1.91	2.76	4.74	2.39	1.95	1.83	1.80	1.81	1.81	1.81	
27	1.80	1.80	1.97	2.47	4.93	2.28	1.96	1.82	1.80	1.81	1.81	1.81	
28	1.81	1.81	2.41	2.40	5.15	2.18	2.00	1.82	1.80	1.81	1.81	1.81	
29	1.82	1.82	2.42	2.41	5.09	2.14	1.96	1.82	1.80	1.81	1.81	1.81	
30	1.83	1.83	2.21	2.42	4.32	2.05	1.95	1.82	1.80	1.81		1.81	
31		1.83		2.71	3.03		1.94		1.80	1.81		1.81	
MEAN	1.80	1.82	1.89	2.41	3.24	3.00	2.13	1.85	1.81	1.81	1.81	1.81	
MAX	1.83	1.86	2.42	3.65	5.15	4.00	2.44	1.93	1.82	1.81	1.81	1.81	5.15
MIN	1.80	1.80	1.80	1.83	2.15	2.05	1.94	1.82	1.80	1.79	1.81	1.81	1.79

ANNUAL MAX MOMENTARY GAGE HEIGHT 5.22 M (A.D), AT 24.00 HOURS, ON AUG 28, 1983
ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D), RIVER BED 0.40 M (A.D)
LEFT BANK ELEVATION 9.19 M (A.D)
RIGHT BANK ELEVATION 9.16 M (A.D), DRAINAGE AREA 441 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.45	0.55	0.50	1.46	6.13	12.39	1.40	1.05	0.50	0.36	0.45	0.45	
2	0.45	0.65	0.45	1.30	8.28	24.37	1.35	1.00	0.50	0.36	0.45	0.45	
3	0.45	0.70	0.45	0.95	22.69	35.06	1.20	0.95	0.50	0.36	0.45	0.45	
4	0.45	0.65	0.50	0.75	34.85	34.64	1.70	0.85	0.50	0.40	0.45	0.45	
5	0.45	0.60	0.45	0.75	30.87	24.16	4.47	0.80	0.50	0.40	0.45	0.45	
6	0.40	0.55	0.45	0.70	14.52	19.13	5.28	0.75	0.50	0.40	0.45	0.45	
7	0.40	0.60	0.45	0.70	7.72	19.13	5.04	0.70	0.50	0.40	0.45	0.45	
8	0.40	0.60	0.50	0.60	6.78	21.02	4.92	0.65	0.50	0.45	0.45	0.45	
9	0.40	0.55	0.70	0.60	6.00	26.26	4.80	0.65	0.50	0.45	0.45	0.45	
10	0.40	0.50	0.90	0.60	5.64	22.27	4.92	0.60	0.50	0.45	0.45	0.45	
11	0.40	0.50	0.75	0.55	3.81	13.72	5.16	0.65	0.50	0.45	0.45	0.45	
12	0.40	0.45	0.65	0.55	2.98	13.72	4.80	0.65	0.50	0.45	0.45	0.45	
13	0.40	0.50	0.65	0.55	2.40	22.90	4.14	0.65	0.50	0.45	0.45	0.45	
14	0.40	0.50	0.65	0.70	2.40	25.84	3.25	0.60	0.45	0.45	0.45	0.45	
15	0.40	0.45	0.65	5.64	34.43	18.29	2.48	0.60	0.45	0.45	0.45	0.45	
16	0.40	0.45	0.60	9.98	21.85	10.68	2.16	0.60	0.45	0.45	0.45	0.45	
17	0.40	0.45	0.50	12.39	16.41	8.00	1.94	0.55	0.45	0.45	0.45	0.45	
18	0.40	0.45	0.45	14.10	26.05	6.00	1.52	0.55	0.45	0.45	0.45	0.45	
19	0.40	0.45	0.40	19.76	17.66	5.04	1.10	0.55	0.45	0.45	0.45	0.45	
20	0.40	0.45	0.40	26.47	12.39	9.50	1.30	0.55	0.45	0.45	0.45	0.45	
21	0.40	0.45	0.40	27.72	12.20	19.34	1.30	0.55	0.45	0.45	0.45	0.45	
22	0.40	0.45	0.40	17.24	11.44	25.00	1.40	0.55	0.45	0.45	0.45	0.45	
23	0.40	0.45	0.40	6.26	7.30	16.41	1.58	0.55	0.40	0.45	0.45	0.45	
24	0.40	0.45	0.50	11.44	4.92	7.72	1.52	0.55	0.40	0.45	0.45	0.45	
25	0.40	0.40	0.60	15.99	31.08	5.88	1.20	0.55	0.40	0.45	0.45	0.45	
26	0.40	0.40	0.95	9.66	50.57	4.69	1.15	0.55	0.40	0.45	0.45	0.45	
27	0.40	0.40	1.25	5.64	54.55	3.52	1.20	0.50	0.40	0.45	0.45	0.45	
28	0.45	0.45	4.92	4.80	59.16	2.64	1.40	0.50	0.40	0.45	0.45	0.45	
29	0.50	0.50	5.04	4.92	57.90	2.32	1.20	0.50	0.40	0.45	0.45	0.45	
30	0.55	0.55	2.89	5.04	41.77	1.70	1.15	0.50	0.40	0.45		0.45	
31		0.55		8.86	14.73		1.10		0.40	0.45		0.45	
TOTAL	12.55	15.65	28.40	216.67	629.48	461.34	77.13	19.25	14.15	13.48	13.05	13.95	1515.10 CMSDAY
MEAN	0.42	0.50	0.95	6.99	20.31	15.38	2.49	0.64	0.46	0.43	0.45	0.45	4.14 CMS
MAX	0.55	0.70	5.04	27.72	59.16	35.06	5.28	1.05	0.50	0.45	0.45	0.45	59.16 CMS
MIN	0.40	0.40	0.40	0.55	2.40	1.70	1.10	0.50	0.40	0.36	0.45	0.45	0.36 CMS
RUNOFF	1.084	1.352	2.454	18.720	54.387	39.860	6.664	1.663	1.223	1.165	1.128	1.205	130.905 MCM

MOMENTARY PEAK 60.63 CMS, AT 5.22 M (A.D), AT 24.00 HOURS, ON AUG 28, 1983

RUNOFF YIELD 9.39 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 137.48 LITERS/SECOND/SQUARE KM

WATER YEAR 1983

KHONG RIVER BASIN

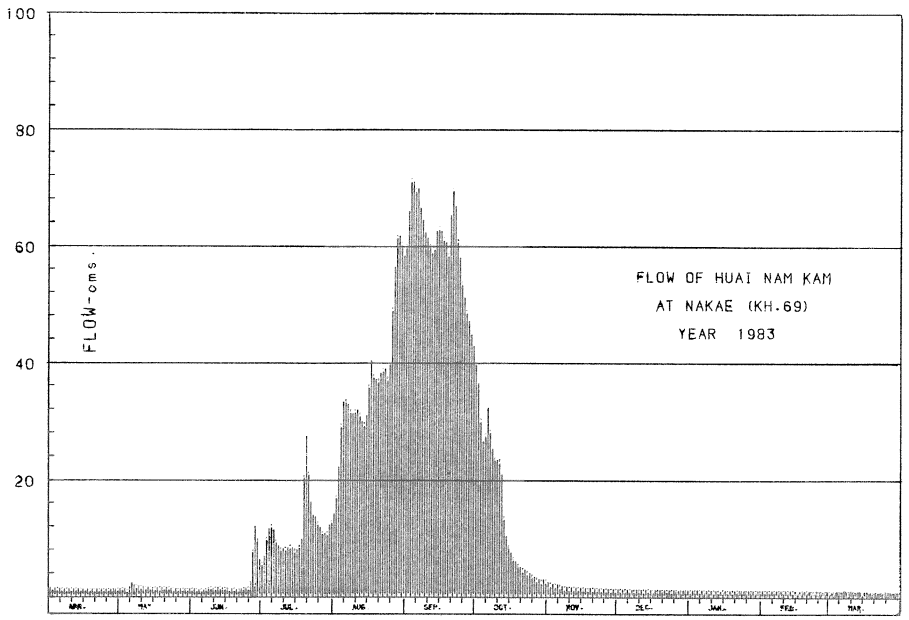
HUAI NAM KAM AT NA KAE, NAKHON PHANOM (KH.69)

LOCATION	LAT. 16°-57'-20" N., LONG. 104°-30'-32" E., ON RIGHT BANK AT THE BRIDGE ON ROAD, BAN NA KAE, AMPHOE NA KAE, NAKHON PHANOM.
DRAINAGE AREA	2,214 SQ.KM.
TYPE OF GAGE	WATER-STAGE RECORDER.
ZERO GAGE AT BOTTOM	+137.85 M.(M.S.L.)
BENCH MARK	B.M.-H.D.
LOCATION	ON LEFT BANK AT THE ABUTMENT OF THE BRIDGE.
ELEVATION	+147.239 M.(M.S.L.)
GAGE READING FREQUENCY	RECORDING.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 24 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1982 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1982 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1982 TO DATE.
STABILITY OF CHANNEL REGIMES	STABLE.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS GOOD. STAGE-DISCHARGE RELATION DEFINED BY 42 DISCHARGE MEASUREMENTS MADE IN 1983.

GAGE HEIGHT IN METER (MSL), WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	139.02	138.97	138.97	139.43	139.87	141.25	140.70	139.19	138.97	138.93	138.91	138.88	
2	139.01	138.98	138.97	139.50	139.99	141.40	140.60	139.17	138.97	138.93	138.91	138.88	
3	139.00	138.98	138.96	139.68	140.16	141.54	140.42	139.15	138.97	138.93	138.91	138.88	
4	138.99	138.92	138.95	139.76	140.39	141.53	140.30	139.15	138.97	138.94	138.91	138.88	
5	138.98	139.07	138.95	139.79	140.51	141.50	140.34	139.14	138.96	138.93	138.91	138.88	
6	138.97	139.20	138.92	139.75	140.52	141.50	140.48	139.13	138.96	138.93	138.91	138.88	
7	138.96	139.13	138.96	139.66	140.50	141.43	140.36	139.11	138.95	138.92	138.91	138.87	
8	138.97	139.11	139.01	139.61	140.47	141.36	140.26	139.10	138.95	138.92	138.91	138.88	
9	138.97	139.11	139.05	139.58	140.45	141.32	140.21	139.09	138.96	138.93	138.91	138.88	
10	138.97	139.10	139.02	139.58	140.47	141.28	140.20	139.07	138.95	138.92	138.91	138.88	
11	138.97	139.10	139.02	139.59	140.47	141.25	140.20	139.07	138.95	138.92	138.91	138.88	
12	138.97	139.07	139.05	139.59	140.45	141.21	140.12	139.07	138.95	138.91	138.91	138.87	
13	138.97	139.05	139.07	139.61	140.41	141.24	139.85	139.05	138.96	138.91	138.91	138.86	
14	138.97	139.04	139.03	139.59	140.40	141.31	139.70	139.05	138.96	138.89	138.91	138.86	
15	138.96	139.03	139.02	139.57	140.44	141.33	139.61	139.04	138.94	138.93	138.90	138.87	
16	138.96	139.04	139.01	139.57	140.59	141.31	139.54	139.03	138.94	138.92	138.90	138.87	
17	138.96	139.04	138.98	139.61	140.71	141.28	139.49	139.02	138.94	138.91	138.89	138.86	
18	138.96	139.04	138.97	139.67	140.64	141.26	139.45	139.01	138.94	138.91	138.90	138.85	
19	138.96	139.04	138.98	140.11	140.62	141.21	139.42	139.02	138.94	138.91	138.90	138.86	
20	138.96	139.05	138.95	140.33	140.62	141.38	139.39	139.01	138.94	138.91	138.90	138.86	
21	138.96	139.04	138.95	140.13	140.65	141.50	139.37	139.00	138.94	138.92	138.89	138.87	
22	138.95	139.04	138.98	139.95	140.67	141.42	139.36	139.00	138.94	138.92	138.89	138.87	
23	138.95	138.99	139.00	139.88	140.67	141.27	139.34	138.99	138.94	138.91	138.89	138.86	
24	138.95	138.97	139.01	139.85	140.63	141.19	139.32	138.99	138.93	138.91	138.89	138.85	
25	138.95	138.98	139.04	139.81	140.69	141.08	139.30	138.98	138.94	138.91	138.90	138.86	
26	138.95	138.96	139.19	139.77	140.96	141.01	139.27	138.98	138.93	138.91	138.89	138.85	
27	138.95	138.98	139.56	139.73	141.15	140.95	139.25	138.98	138.92	138.91	138.88	138.85	
28	138.95	138.97	139.78	139.72	141.29	140.90	139.23	138.97	138.92	138.91	138.88	138.85	
29	138.95	138.97	139.67	139.73	141.29	140.85	139.22	138.97	138.93	138.91	138.88	138.85	
30	138.97	138.97	139.47	139.79	141.26	140.78	139.23	138.97	138.93	138.91		138.86	
31		138.97		139.82	141.20		139.22		138.93	138.91		138.85	
MEAN	138.97	139.03	139.08	139.73	140.62	141.26	139.77	139.05	138.95	138.92	138.90	138.87	
MAX	139.02	139.20	139.78	140.33	141.29	141.54	140.70	139.19	138.97	138.94	138.91	138.88	141.54
MIN	138.95	138.92	138.92	139.43	139.87	140.78	139.22	138.97	138.92	138.89	138.88	138.85	138.85

ANNUAL MAX MOMENTARY GAGE HEIGHT 141.58 M (MSL), AT 22.00 HOURS, ON SEP 3, 1983
ZERO GAGE AT BOTTOM ELEVATION 137.85 M (MSL), RIVER BED 135.93 M (MSL)
LEFT BANK ELEVATION 147.00 M (MSL)
RIGHT BANK ELEVATION 146.99 M (MSL), DRAINAGE AREA 2214 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	1.66	1.47	1.47	5.88	14.28	60.30	40.10	2.71	1.47	1.29	1.20	1.06	
2	1.63	1.51	1.47	7.00	17.34	66.05	36.55	2.53	1.47	1.29	1.20	1.06	
3	1.60	1.51	1.42	10.14	22.28	71.49	30.44	2.35	1.47	1.29	1.20	1.06	
4	1.56	1.24	1.38	11.76	29.49	71.09	26.67	2.35	1.47	1.33	1.20	1.06	
5	1.51	1.81	1.38	12.39	33.36	69.90	27.92	2.26	1.42	1.29	1.20	1.06	
6	1.47	2.80	1.24	11.55	33.71	69.90	32.36	2.17	1.42	1.29	1.20	1.06	
7	1.42	2.17	1.42	9.78	33.00	67.21	28.55	1.99	1.38	1.24	1.20	1.02	
8	1.47	1.99	1.63	8.88	32.04	64.51	25.41	1.90	1.38	1.24	1.20	1.06	
9	1.47	1.99	1.75	8.36	31.40	62.97	23.85	1.87	1.42	1.29	1.20	1.06	
10	1.47	1.90	1.66	8.36	32.04	61.44	23.53	1.81	1.38	1.24	1.20	1.06	
11	1.47	1.90	1.66	8.53	32.04	60.30	23.53	1.81	1.38	1.24	1.20	1.06	
12	1.47	1.81	1.75	8.53	31.40	58.78	21.03	1.81	1.38	1.20	1.20	1.02	
13	1.47	1.75	1.81	8.88	30.12	59.92	13.80	1.75	1.42	1.20	1.20	0.97	
14	1.47	1.72	1.69	8.53	29.80	62.59	10.50	1.75	1.42	1.10	1.20	0.97	
15	1.42	1.69	1.66	8.19	31.08	63.35	8.88	1.72	1.33	1.29	1.15	1.02	
16	1.42	1.72	1.63	8.19	36.20	62.59	7.68	1.69	1.33	1.24	1.15	1.02	
17	1.42	1.72	1.51	8.88	40.46	61.44	6.84	1.66	1.33	1.20	1.10	0.97	
18	1.42	1.72	1.47	9.96	37.97	60.68	6.20	1.63	1.33	1.20	1.15	0.93	
19	1.42	1.72	1.51	20.71	37.26	58.78	5.72	1.66	1.33	1.20	1.15	0.97	
20	1.42	1.75	1.38	27.61	37.26	65.28	5.25	1.63	1.33	1.20	1.15	0.97	
21	1.42	1.72	1.38	21.34	38.33	69.90	4.95	1.60	1.33	1.24	1.10	1.02	
22	1.38	1.72	1.51	16.30	39.04	66.82	4.80	1.60	1.33	1.24	1.10	1.02	
23	1.38	1.56	1.60	14.52	39.04	61.06	4.50	1.56	1.33	1.20	1.10	0.97	
24	1.38	1.47	1.63	13.80	37.62	58.02	4.20	1.56	1.29	1.20	1.10	0.93	
25	1.38	1.51	1.72	12.84	39.75	53.84	3.90	1.51	1.33	1.20	1.15	0.97	
26	1.38	1.42	2.71	11.97	49.36	51.18	3.57	1.51	1.29	1.20	1.10	0.93	
27	1.38	1.51	8.02	11.13	56.50	49.00	3.35	1.51	1.24	1.20	1.06	0.93	
28	1.38	1.47	12.18	10.92	61.82	47.20	3.13	1.47	1.24	1.20	1.06	0.93	
29	1.38	1.47	9.96	11.13	61.82	45.43	3.02	1.47	1.29	1.20	1.06	0.93	
30	1.47	1.47	6.52	12.39	60.68	42.94	3.13	1.47	1.29	1.20		0.97	
31		1.47		13.08	58.40		3.02		1.29	1.20		0.93	
TOTAL	43.59	52.68	78.12	361.53	1164.89	1823.96	446.38	54.31	42.11	38.14	33.48	30.99	4170.18 CMSDAY
MEAN	1.45	1.70	2.60	11.66	37.58	60.80	14.40	1.81	1.36	1.23	1.15	1.00	11.39 CMS
MAX	1.66	2.80	12.18	27.61	61.82	71.49	40.10	2.71	1.47	1.33	1.20	1.06	71.49 CMS
MIN	1.38	1.24	1.24	5.88	14.28	42.94	3.02	1.47	1.24	1.10	1.06	0.93	0.93 CMS
RUNOFF	3.766	4.552	6.750	31.236	100.646	157.590	38.567	4.692	3.638	3.295	2.893	2.678	360.304 MCM

MOMENTARY PEAK 73.07 CMS, AT 141.58 M (MSL), AT 22.00 HOURS, ON SEP 3, 1983

RUNOFF YIELD 5.15 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 33.01 LITERS/SECOND/SQUARE KM

WATER YEAR 1983

KHONG RIVER BASIN

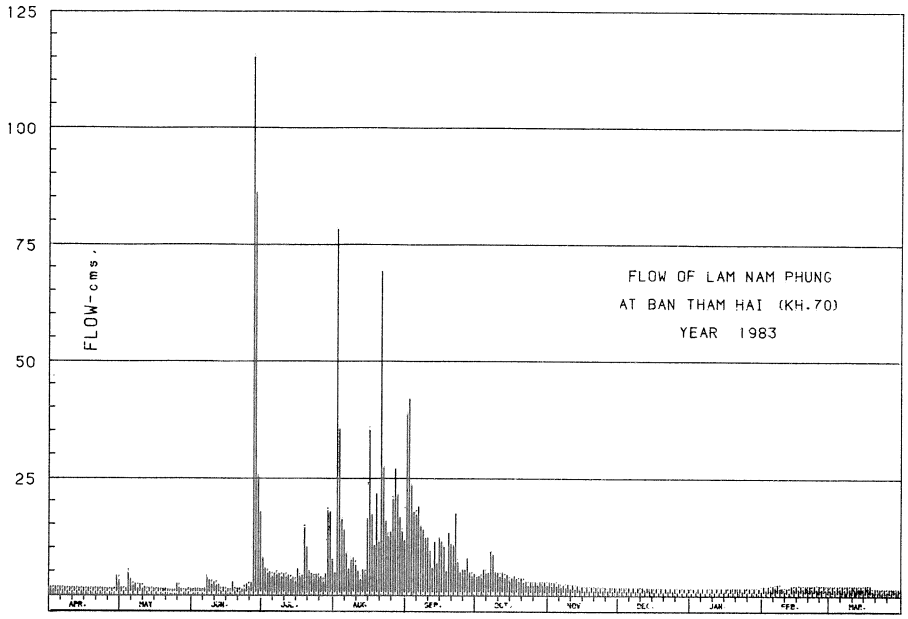
HUAI NAM PHUNG AT BAN THAM HAI, SAKON NAKHON (KH.70)

LOCATION	LAT. 17°-04'-04" N., LONG. 104°-15'-33" E., ON RIGHT BANK AT THE BRIDGE ON ROAD, BAN THAM HAI, AMPHOE MUANG, SAKON NAKHON.
DRAINAGE AREA	848 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM	+0.00 M.(A.D.)
BENCH MARK	B.M.-H.D.
LOCATION	ON RIGHT BANK AT THE ABUTMENT OF THE BRIDGE.
ELEVATION	+8.573 M.(A.D.)
GAGE READING FREQUENCY	3-TIME DAILY READINGS AT 06.00, 12.00 AND 18.00 HOURS.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 3 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1982 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1982 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1982 TO DATE.
STABILITY OF CHANNEL REGIMES	STABLE.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS FAIR. STAGE-DISCHARGE RELATION DEFINED BY 41 DISCHARGE MEASUREMENTS MADE IN 1983.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.38	0.37	0.33	0.89	0.68	1.86	0.67	0.48	0.37	0.35	0.40	0.41	
2	0.38	0.37	0.35	0.75	2.76	1.93	0.61	0.47	0.37	0.35	0.39	0.41	
3	0.38	0.35	0.34	0.73	1.77	1.47	0.65	0.47	0.37	0.36	0.40	0.41	
4	0.38	0.73	0.34	0.70	1.23	1.27	0.73	0.48	0.37	0.36	0.41	0.41	
5	0.38	0.55	0.33	0.68	1.12	1.28	0.73	0.45	0.37	0.36	0.41	0.41	
6	0.38	0.47	0.35	0.67	0.92	1.31	0.68	0.45	0.37	0.36	0.44	0.41	
7	0.37	0.45	0.62	0.71	0.74	1.18	0.95	0.42	0.37	0.35	0.44	0.40	
8	0.37	0.44	0.53	0.67	0.87	1.12	0.89	0.44	0.37	0.36	0.44	0.41	
9	0.37	0.44	0.51	0.67	0.86	1.08	0.75	0.44	0.37	0.36	0.37	0.41	
10	0.37	0.43	0.48	0.66	0.83	1.05	0.69	0.43	0.37	0.36	0.37	0.41	
11	0.37	0.38	0.50	0.67	0.71	0.96	0.68	0.43	0.37	0.36	0.36	0.41	
12	0.37	0.36	0.43	0.63	0.62	0.75	0.69	0.42	0.36	0.36	0.36	0.41	
13	0.36	0.36	0.36	0.62	0.73	1.04	0.66	0.41	0.37	0.36	0.41	0.41	
14	0.37	0.36	0.37	0.59	0.72	0.81	0.64	0.39	0.36	0.36	0.41	0.41	
15	0.36	0.35	0.36	0.57	1.22	1.07	0.59	0.39	0.36	0.36	0.41	0.41	
16	0.36	0.35	0.34	0.74	1.78	1.01	0.57	0.38	0.36	0.36	0.42	0.42	
17	0.36	0.35	0.33	0.66	1.25	1.00	0.70	0.39	0.36	0.36	0.41	0.42	
18	0.36	0.34	0.48	0.63	1.01	0.71	0.56	0.38	0.36	0.36	0.41	0.42	
19	0.36	0.34	0.36	1.16	1.40	1.12	0.57	0.38	0.36	0.36	0.41	0.36	
20	0.36	0.34	0.35	0.96	1.03	0.99	0.57	0.38	0.36	0.36	0.41	0.36	
21	0.36	0.33	0.35	0.75	2.55	1.01	0.56	0.38	0.36	0.36	0.41	0.35	
22	0.36	0.32	0.33	0.67	1.57	1.26	0.50	0.38	0.36	0.36	0.41	0.35	
23	0.36	0.32	0.41	0.64	1.20	0.85	0.49	0.37	0.36	0.36	0.42	0.35	
24	0.35	0.32	0.44	0.65	1.09	0.69	0.49	0.38	0.36	0.36	0.42	0.35	
25	0.35	0.45	0.47	0.65	1.10	0.78	0.49	0.38	0.36	0.36	0.42	0.35	
26	0.35	0.44	0.47	0.60	1.38	0.73	0.49	0.38	0.36	0.36	0.42	0.35	
27	0.35	0.34	3.47	0.56	1.55	0.89	0.50	0.38	0.35	0.36	0.42	0.35	
28	0.35	0.33	2.92	0.66	1.41	0.69	0.49	0.37	0.35	0.36	0.41	0.35	
29	0.62	0.33	1.52	1.30	1.23	0.69	0.49	0.37	0.35	0.36	0.41	0.35	
30	0.61	0.35	1.27	1.27	1.13	0.66	0.48	0.37	0.35	0.35		0.35	
31		0.34		0.85	1.02		0.49		0.35	0.38		0.35	
MEAN	0.38	0.39	0.66	0.74	1.21	1.04	0.61	0.41	0.36	0.36	0.41	0.39	
MAX	0.62	0.73	3.47	1.30	2.76	1.93	0.95	0.48	0.37	0.38	0.44	0.42	3.47
MIN	0.35	0.32	0.33	0.56	0.62	0.66	0.48	0.37	0.35	0.35	0.36	0.35	0.32

ANNUAL MAX MOMENTARY GAGE HEIGHT 5.30 M (A.D), AT 18.00 HOURS, ON JUN 27, 1983
ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D), RIVER BED -0.51 M (A.D)
LEFT BANK ELEVATION 8.39 M (A.D)
RIGHT BANK ELEVATION 8.37 M (A.D), DRAINAGE AREA 848 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	1.80	1.70	1.30	8.67	4.80	39.10	4.70	2.80	1.70	1.50	2.00	2.10	
2	1.80	1.70	1.50	5.80	78.69	41.93	4.10	2.70	1.70	1.50	1.90	2.10	
3	1.80	1.50	1.40	5.48	35.53	24.01	4.50	2.70	1.70	1.60	2.00	2.10	
4	1.80	5.48	1.40	5.00	16.64	17.76	5.48	2.80	1.70	1.60	2.10	2.10	
5	1.80	3.50	1.30	4.80	13.96	18.04	5.48	2.50	1.70	1.60	2.10	2.10	
6	1.80	2.70	1.50	4.70	9.36	18.91	4.80	2.50	1.70	1.60	2.40	2.10	
7	1.70	2.50	4.20	5.16	5.64	15.34	10.05	2.20	1.70	1.50	2.40	2.00	
8	1.70	2.40	3.30	4.70	8.21	13.96	8.67	2.40	1.70	1.60	2.40	2.10	
9	1.70	2.40	3.10	4.70	7.98	13.04	5.80	2.40	1.70	1.60	1.70	2.10	
10	1.70	2.30	2.80	4.60	7.29	12.35	4.90	2.30	1.70	1.60	1.70	2.10	
11	1.70	1.80	3.00	4.70	5.16	10.28	4.80	2.30	1.70	1.60	1.60	2.10	
12	1.70	1.60	2.30	4.30	4.20	5.80	4.90	2.20	1.60	1.60	1.60	2.10	
13	1.60	1.60	1.60	4.20	5.48	12.12	4.60	2.10	1.70	1.60	2.10	2.10	
14	1.70	1.60	1.70	3.90	5.32	6.83	4.40	1.90	1.60	1.60	2.10	2.10	
15	1.60	1.50	1.60	3.70	16.36	12.81	3.90	1.90	1.60	1.60	2.10	2.10	
16	1.60	1.50	1.40	5.64	35.92	11.43	3.70	1.80	1.60	1.60	2.20	2.20	
17	1.60	1.50	1.30	4.60	17.20	11.20	5.00	1.90	1.60	1.60	2.10	2.20	
18	1.60	1.40	2.80	4.30	11.43	5.16	3.60	1.80	1.60	1.60	2.10	2.20	
19	1.60	1.40	1.60	14.88	21.70	13.96	3.70	1.80	1.60	1.60	2.10	1.60	
20	1.60	1.40	1.50	10.28	11.89	10.97	3.70	1.80	1.60	1.60	2.10	1.60	
21	1.60	1.30	1.50	5.80	69.18	11.43	3.60	1.80	1.60	1.60	2.10	1.50	
22	1.60	1.20	1.30	4.70	27.73	17.48	3.00	1.80	1.60	1.60	2.10	1.50	
23	1.60	1.20	2.10	4.40	15.80	7.75	2.90	1.70	1.60	1.60	2.20	1.50	
24	1.50	1.20	2.40	4.50	13.27	4.90	2.90	1.80	1.60	1.60	2.20	1.50	
25	1.50	2.50	2.70	4.50	13.50	6.28	2.90	1.80	1.60	1.60	2.20	1.50	
26	1.50	2.40	2.70	4.00	21.08	5.48	2.90	1.80	1.60	1.60	2.20	1.50	
27	1.50	1.40	115.62	3.60	26.95	8.67	3.00	1.80	1.50	1.60	2.20	1.50	
28	1.50	1.30	86.16	4.60	22.03	4.90	2.90	1.70	1.50	1.60	2.10	1.50	
29	4.20	1.30	25.78	18.60	16.64	4.90	2.90	1.70	1.50	1.60	2.10	1.50	
30	4.10	1.50	17.76	17.76	14.19	4.60	2.80	1.70	1.50	1.50		1.50	
31		1.40		7.75	11.66		2.90		1.50	1.80		1.50	
TOTAL	54.50	58.18	298.62	194.32	574.79	391.39	133.48	62.40	50.30	49.40	60.20	57.70	1985.28 CMSDAY
MEAN	1.82	1.88	9.95	6.27	18.54	13.05	4.31	2.08	1.62	1.59	2.08	1.86	5.42 CMS
MAX	4.20	5.48	115.62	18.60	78.69	41.93	10.05	2.80	1.70	1.80	2.40	2.20	115.62 CMS
MIN	1.50	1.20	1.30	3.60	4.20	4.60	2.80	1.70	1.50	1.50	1.60	1.50	1.20 CMS
RUNOFF	4.709	5.027	25.801	16.789	49.662	33.816	11.533	5.391	4.346	4.268	5.201	4.985	171.528 MCM

MOMENTARY PEAK 222.07 CMS, AT 5.30 M (A.D), AT 18.00 HOURS, ON JUN 27, 1983

RUNOFF YIELD 6.40 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 261.87 LITERS/SECOND/SQUARE KM

WATER YEAR 1983

KHONG RIVER BASIN

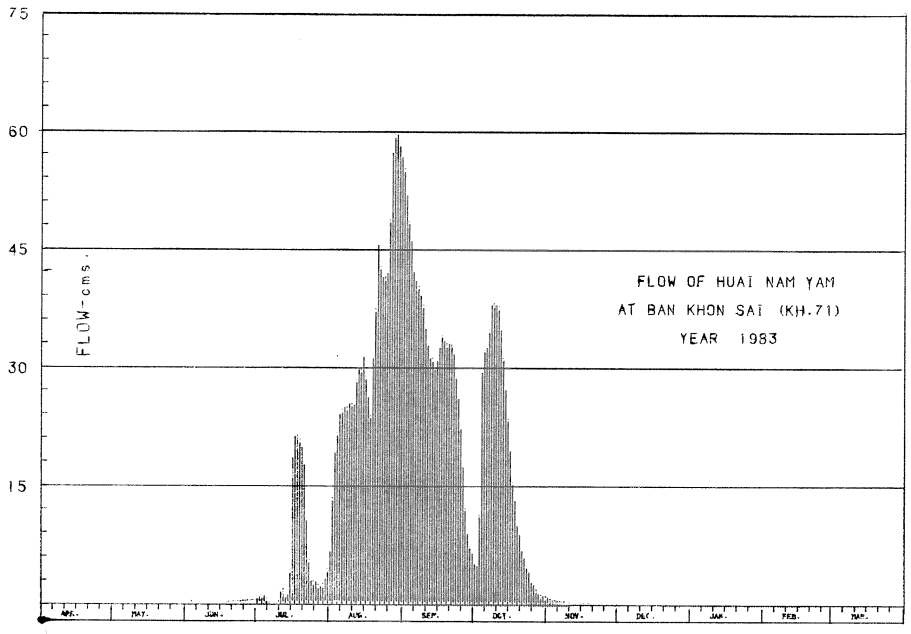
HUAI NAM YAM AT BAN KHON SAI, SAKON NAKHON (KH.71)

LOCATION	LAT. 17°-33'-20" N., LONG. 103°-44'-18" E., ON LEFT BANK AT THE BRIDGE OF WANON NIWAT - PHANG KHON, ABOUT 10 KILOMETERS FROM WANON NIWAT, SAKON NAKHON.
DRAINAGE AREA	777 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM	+0.00 M.(A.D.)
BENCH MARK	B.M.-H.D.
LOCATION	AT THE ABUTMENT OF THE BRIDGE.
ELEVATION	+10.517 M.(A.D.)
GAGE READING FREQUENCY	5-TIME DAILY READINGS AT 06.00, 09.00, 12.00, 15.00 AND 18.00 HOURS.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 5 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1982 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1982 - 1983.
RATED BY FLOAT	-
RATED BY CURRENT METER	1982 - 1983.
STABILITY OF CHANNEL REGIMES	STABLE.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS GOOD. STAGE-DISCHARGE RELATION DEFINED BY 24 DISCHARGE MEASUREMENTS MADE IN 1983.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.82	0.80	0.74	1.27	2.04	5.28	1.93	1.24	0.90	0.79	0.74	0.58	
2	0.82	0.80	0.74	1.25	2.63	5.09	1.87	1.18	0.90	0.79	0.73	0.63	
3	0.83	0.79	0.74	1.28	3.08	4.90	2.46	1.14	0.89	0.79	0.73	0.64	
4	0.83	0.79	0.74	1.26	3.26	4.75	3.76	1.13	0.89	0.79	0.73	0.68	
5	0.83	0.79	0.74	1.17	3.42	4.54	3.93	1.12	0.88	0.78	0.72	0.70	
6	0.83	0.79	0.73	1.10	3.46	4.45	3.95	1.10	0.87	0.78	0.72	0.71	
7	0.83	0.79	0.72	1.05	3.48	4.41	4.08	1.09	0.83	0.78	0.71	0.71	
8	0.84	0.79	0.70	1.01	3.48	4.34	4.27	1.07	0.81	0.78	0.71	0.72	
9	0.84	0.78	0.70	0.97	3.51	4.27	4.28	1.03	0.81	0.78	0.70	0.73	
10	0.84	0.78	0.70	1.05	3.51	4.09	4.27	1.00	0.81	0.78	0.69	0.74	
11	0.84	0.78	0.70	1.45	3.50	3.98	4.26	1.00	0.81	0.78	0.69	0.76	
12	0.84	0.77	0.72	1.46	3.70	3.87	4.08	1.00	0.82	0.78	0.68	0.77	
13	0.85	0.77	0.74	1.29	3.80	3.87	3.87	0.99	0.82	0.77	0.68	0.77	
14	0.85	0.77	0.79	1.28	3.79	3.78	3.62	0.99	0.81	0.77	0.67	0.78	
15	0.85	0.77	0.80	1.80	3.88	3.87	3.38	0.99	0.81	0.77	0.66	0.78	
16	0.85	0.77	0.83	3.03	3.73	3.95	3.10	0.98	0.81	0.76	0.65	0.78	
17	0.84	0.76	0.86	3.26	3.56	4.04	2.79	0.98	0.81	0.76	0.65	0.78	
18	0.84	0.76	0.93	3.24	3.41	4.00	2.61	0.98	0.81	0.76	0.64	0.78	
19	0.84	0.76	0.97	3.20	3.87	3.98	2.38	0.97	0.81	0.76	0.64	0.78	
20	0.84	0.76	0.97	3.13	4.24	3.98	2.25	0.96	0.81	0.76	0.63	0.78	
21	0.84	0.75	0.98	2.99	4.72	3.97	2.10	0.95	0.80	0.76	0.63	0.79	
22	0.84	0.75	0.98	2.40	4.56	3.90	1.97	0.95	0.80	0.75	0.62	0.79	
23	0.83	0.75	1.01	1.94	4.48	3.73	1.88	0.94	0.80	0.75	0.62	0.79	
24	0.83	0.75	1.02	1.62	4.48	3.55	1.78	0.94	0.80	0.75	0.61	0.78	
25	0.83	0.75	1.05	1.61	4.51	3.32	1.66	0.93	0.80	0.75	0.60	0.78	
26	0.83	0.76	1.06	1.60	4.91	2.94	1.56	0.92	0.80	0.75	0.58	0.78	
27	0.82	0.76	1.07	1.54	5.39	2.53	1.45	0.92	0.80	0.75	0.57	0.78	
28	0.82	0.76	1.08	1.50	5.52	2.26	1.35	0.91	0.80	0.76	0.56	0.78	
29	0.82	0.75	1.10	1.56	5.52	2.13	1.31	0.90	0.79	0.76	0.56	0.77	
30	0.82	0.75	1.12	1.65	5.46	2.03	1.29	0.90	0.79	0.76		0.77	
31		0.74		1.81	5.36		1.27		0.79	0.76		0.77	
MEAN	0.83	0.77	0.87	1.77	4.01	3.86	2.73	1.01	0.82	0.77	0.66	0.75	
MAX	0.85	0.80	1.12	3.26	5.52	5.28	4.28	1.24	0.90	0.79	0.74	0.79	5.52
MIN	0.82	0.74	0.70	0.97	2.04	2.03	1.27	0.90	0.79	0.75	0.56	0.58	0.56

ANNUAL MAX MOMENTARY GAGE HEIGHT 5.54 M (A.D), AT 0.00 HOURS, ON AUG 28, 1983
ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D), RIVER BED 0.47 M (A.D)
LEFT BANK ELEVATION 10.53 M (A.D)
RIGHT BANK ELEVATION 10.53 M (A.D), DRAINAGE AREA 777 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.04	0.00	0.00	1.18	6.70	55.31	5.60	1.06	0.20	0.00	0.00	0.00	
2	0.04	0.00	0.00	1.10	13.47	51.91	5.03	0.84	0.20	0.00	0.00	0.00	
3	0.06	0.00	0.00	1.22	19.24	48.61	11.32	0.72	0.18	0.00	0.00	0.00	
4	0.06	0.00	0.00	1.14	21.74	46.07	29.37	0.69	0.18	0.00	0.00	0.00	
5	0.06	0.00	0.00	0.81	24.10	42.52	32.20	0.66	0.16	0.00	0.00	0.00	
6	0.06	0.00	0.00	0.60	24.70	41.00	32.54	0.60	0.14	0.00	0.00	0.00	
7	0.06	0.00	0.00	0.50	25.00	40.32	34.74	0.58	0.06	0.00	0.00	0.00	
8	0.08	0.00	0.00	0.42	25.00	39.14	37.95	0.54	0.02	0.00	0.00	0.00	
9	0.08	0.00	0.00	0.34	25.46	37.95	38.12	0.46	0.02	0.00	0.00	0.00	
10	0.08	0.00	0.00	0.50	25.46	34.91	37.95	0.40	0.02	0.00	0.00	0.00	
11	0.08	0.00	0.00	2.05	25.30	33.05	37.78	0.40	0.02	0.00	0.00	0.00	
12	0.08	0.00	0.00	2.10	28.43	31.18	34.74	0.40	0.04	0.00	0.00	0.00	
13	0.10	0.00	0.00	1.26	30.00	31.18	31.18	0.38	0.04	0.00	0.00	0.00	
14	0.10	0.00	0.00	1.22	29.84	29.69	27.18	0.38	0.02	0.00	0.00	0.00	
15	0.10	0.00	0.00	4.40	31.35	31.18	23.50	0.38	0.02	0.00	0.00	0.00	
16	0.10	0.00	0.06	18.60	28.90	32.54	19.50	0.36	0.02	0.00	0.00	0.00	
17	0.08	0.00	0.12	21.74	26.24	34.06	15.52	0.36	0.02	0.00	0.00	0.00	
18	0.08	0.00	0.26	21.46	23.95	33.38	13.21	0.36	0.02	0.00	0.00	0.00	
19	0.08	0.00	0.34	20.90	31.18	33.05	10.38	0.34	0.02	0.00	0.00	0.00	
20	0.08	0.00	0.34	19.92	37.44	33.05	8.95	0.32	0.02	0.00	0.00	0.00	
21	0.08	0.00	0.36	18.09	45.56	32.88	7.30	0.30	0.00	0.00	0.00	0.00	
22	0.08	0.00	0.36	10.60	42.86	31.69	6.00	0.30	0.00	0.00	0.00	0.00	
23	0.06	0.00	0.42	5.70	41.50	28.90	5.12	0.28	0.00	0.00	0.00	0.00	
24	0.06	0.00	0.44	3.04	41.50	26.08	4.24	0.28	0.00	0.00	0.00	0.00	
25	0.06	0.00	0.50	2.97	42.01	22.60	3.32	0.26	0.00	0.00	0.00	0.00	
26	0.06	0.00	0.52	2.90	48.78	17.45	2.66	0.24	0.00	0.00	0.00	0.00	
27	0.04	0.00	0.54	2.54	57.27	12.18	2.05	0.24	0.00	0.00	0.00	0.00	
28	0.04	0.00	0.56	2.30	59.59	9.06	1.55	0.22	0.00	0.00	0.00	0.00	
29	0.04	0.00	0.60	2.66	59.59	7.63	1.35	0.20	0.00	0.00	0.00	0.00	
30	0.04	0.00	0.66	3.25	58.52	6.60	1.26	0.20	0.00	0.00		0.00	
31		0.00		4.49	56.74		1.18		0.00	0.00		0.00	
TOTAL	2.06	0.00	6.08	180.00	1057.42	955.17	522.79	12.75	1.42	0.00	0.00	0.00	2737.69 CMSDAY
MEAN	0.07	0.00	0.20	5.81	34.11	31.84	16.86	0.42	0.05	0.00	0.00	0.00	7.48 CMS
MAX	0.10	0.00	0.66	21.74	59.59	55.31	38.12	1.06	0.20	0.00	0.00	0.00	59.59 CMS
MIN	0.04	0.00	0.00	0.34	6.70	6.60	1.18	0.20	0.00	0.00	0.00	0.00	0.00 CMS
RUNOFF	0.178	0.000	0.525	15.552	91.361	82.527	45.169	1.102	0.123	0.000	0.000	0.000	236.536 MCM

MOMENTARY PEAK 59.95 CMS, AT 5.54 M (A.D), AT 0.00 HOURS, ON AUG 28, 1983

RUNOFF YIELD 9.63 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 77.16 LITERS/SECOND/SQUARE KM

WATER YEAR 1983

CHI RIVER BASIN

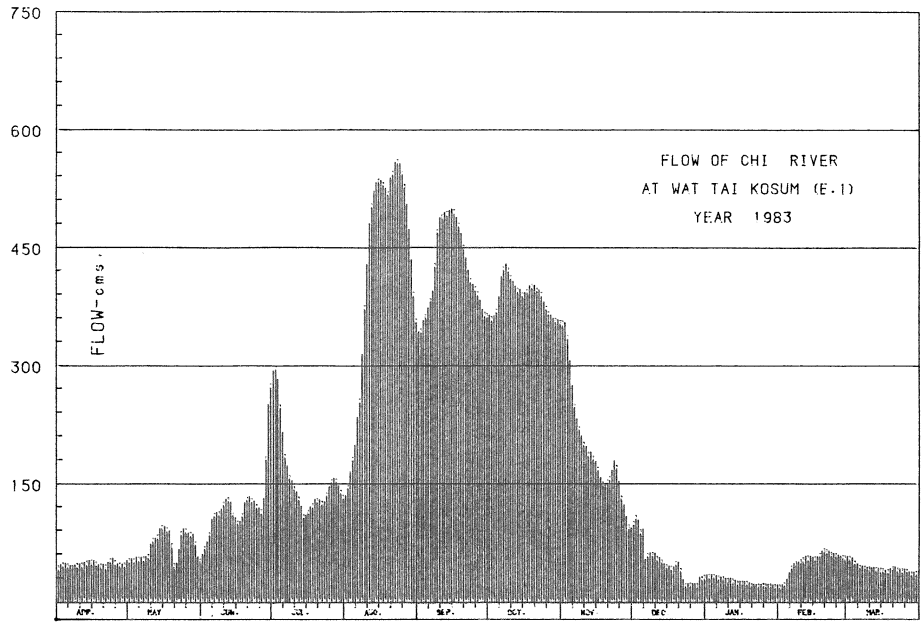
CHI RIVER AT KOSUM PHISAI, MAHA SARAKHAM (E.1)

LOCATION	LAT. 16°-15'-02" N., LONG. 103°-04'-25" E., ON RIGHT BANK AT WAT TAI KOSUM ABOUT 800 METERS NORTH-EAST OF AMPHOE KOSUM PHISAI OFFICE, MAHA SARAKHAM.
DRAINAGE AREA	29,788 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM	+136.64 M. (M.S.L.)
BENCH MARK	B.M.-H.D.
LOCATION	ON RIGHT BANK ABOUT 5 METERS FROM THE GAGE SITE.
ELEVATION	+149.786 M. (M.S.L.)
GAGE READING FREQUENCY	5-TIME DAILY READINGS AT 06.00, 09.00, 12.00, 15.00 AND 18.00 HOURS.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 5 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1936-1943, 1951 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1965-1973, 1981 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1965-1973, 1981 TO DATE.
STABILITY OF CHANNEL REGIMES	STABLE.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS GOOD. FLOW REGULATED BY NAM PHONG DAM ABOVE GAGE SITE. STAGE-DISCHARGE RELATION DEFINED BY 35 DISCHARGE MEASUREMENTS MADE IN 1983.

GAGE HEIGHT IN METER (MSL), WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	137.80	137.95	138.05	141.35	139.23	141.97	142.24	142.14	138.74	137.59	137.28	138.00	
2	137.83	137.96	138.21	141.42	139.41	142.01	142.21	142.12	138.87	137.59	137.29	138.00	
3	137.86	137.95	138.31	141.22	139.66	142.15	142.23	141.91	138.78	137.60	137.35	137.97	
4	137.86	137.99	138.50	140.81	139.92	142.24	142.33	141.51	138.57	137.59	137.47	137.90	
5	137.84	137.98	138.79	140.36	140.14	142.35	142.52	141.12	138.59	137.57	137.64	137.85	
6	137.81	137.99	138.91	139.97	140.61	142.48	142.82	140.82	137.95	137.55	137.80	137.81	
7	137.81	137.99	138.93	139.77	140.91	142.60	142.96	140.59	138.07	137.53	137.86	137.80	
8	137.82	138.00	138.94	139.59	141.62	143.01	143.01	140.45	138.09	137.53	137.89	137.79	
9	137.85	138.04	138.99	139.50	142.39	143.52	142.94	140.30	138.09	137.50	137.89	137.77	
10	137.85	138.26	139.11	139.39	143.01	143.70	142.83	140.19	138.08	137.49	137.93	137.77	
11	137.86	138.38	139.17	139.30	143.62	143.74	142.75	140.12	138.01	137.50	137.97	137.76	
12	137.88	138.39	139.19	139.20	143.91	143.78	142.68	140.01	137.99	137.47	138.01	137.77	
13	137.90	138.45	139.11	139.04	144.10	143.79	142.64	140.02	137.93	137.44	138.01	137.76	
14	137.92	138.59	138.92	138.88	144.22	143.81	142.63	139.94	137.86	137.40	138.01	137.75	
15	137.92	138.65	138.82	138.87	144.27	143.84	142.57	139.85	137.83	137.41	137.99	137.74	
16	137.92	138.64	138.74	138.96	144.25	143.82	142.58	139.74	137.81	137.40	137.99	137.73	
17	137.88	138.60	138.74	139.03	144.22	143.71	142.62	139.56	137.80	137.40	138.00	137.70	
18	137.83	138.54	138.90	139.08	144.14	143.62	142.68	139.47	137.79	137.40	138.06	137.71	
19	137.84	138.26	139.10	139.16	144.09	143.47	142.70	139.45	137.89	137.36	138.12	137.74	
20	137.84	137.85	139.20	139.17	144.29	143.29	142.69	139.51	137.89	137.32	138.16	137.78	
21	137.82	137.86	139.21	139.16	144.38	143.10	142.64	139.57	137.74	137.31	138.14	137.78	
22	137.88	138.15	139.17	139.12	144.51	142.92	142.62	139.69	137.46	137.31	138.12	137.74	
23	137.95	138.52	139.13	139.12	144.54	142.79	142.58	139.86	137.33	137.31	138.08	137.73	
24	137.97	138.59	139.06	139.27	144.49	142.71	142.44	139.77	137.34	137.31	138.07	137.73	
25	137.91	138.58	139.01	139.39	144.37	142.67	142.37	139.49	137.35	137.33	138.06	137.73	
26	137.85	138.50	138.97	139.52	144.19	142.59	142.29	139.22	137.34	137.31	138.03	137.71	
27	137.86	138.51	139.18	139.54	143.91	142.47	142.24	139.07	137.34	137.31	138.01	137.66	
28	137.84	138.48	139.93	139.52	143.53	142.33	142.19	138.85	137.33	137.31	138.02	137.65	
29	137.86	138.31	140.82	139.41	143.07	142.28	142.18	138.67	137.53	137.29	138.01	137.65	
30	137.92	138.00	141.14	139.32	142.58	142.26	142.17	138.61	137.54	137.29		137.66	
31		137.94		139.23	142.17		142.15		137.57	137.29		137.67	
MEAN	137.87	138.25	139.07	139.57	142.90	142.97	142.53	140.05	137.89	137.42	137.91	137.77	
MAX	137.97	138.65	141.14	141.42	144.54	143.84	143.01	142.14	138.87	137.60	138.16	138.00	144.54
MIN	137.80	137.85	138.05	138.87	139.23	141.97	142.15	138.61	137.33	137.29	137.28	137.65	137.28

ANNUAL MAX MOMENTARY GAGE HEIGHT 144.54 M (MSL), AT 18.00 HOURS, ON AUG 23, 1983
ZERO GAGE AT BOTTOM ELEVATION 136.64 M (MSL), RIVER BED 136.29 M (MSL)
LEFT BANK ELEVATION 147.21 M (MSL)
RIGHT BANK ELEVATION 150.31 M (MSL), DRAINAGE AREA 29788 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	46.0	55.0	61.0	293.0	135.1	342.6	364.2	356.2	102.4	35.5	22.4	58.0	
2	47.8	55.6	70.6	298.6	147.7	345.8	361.8	354.6	110.2	35.5	22.7	58.0	
3	49.6	55.0	76.6	282.6	165.2	357.0	363.4	337.8	104.8	36.0	25.0	56.2	
4	49.6	57.4	88.0	249.8	183.4	364.2	371.5	305.8	92.2	35.5	29.8	52.0	
5	48.4	56.8	105.4	215.5	199.0	373.2	387.6	274.6	93.4	34.5	38.0	49.0	
6	46.6	57.4	112.7	186.9	234.3	384.2	413.0	250.6	55.0	33.5	46.0	46.6	
7	46.6	57.4	114.1	172.9	257.8	394.4	424.9	232.7	62.2	32.5	49.6	46.0	
8	47.2	58.0	114.8	160.3	314.6	429.1	429.1	222.2	63.4	32.5	51.4	45.5	
9	49.0	60.4	118.3	154.0	376.6	472.3	423.2	211.0	63.4	31.0	51.4	44.5	
10	49.0	73.6	126.7	146.3	429.1	487.6	413.9	202.7	62.8	30.6	53.8	44.5	
11	49.6	80.8	130.9	140.0	480.8	491.0	407.1	197.5	58.6	31.0	56.2	44.0	
12	50.8	81.4	132.3	133.0	505.4	494.4	401.2	189.7	57.4	29.8	58.6	44.5	
13	52.0	85.0	126.7	121.8	522.0	495.2	397.8	190.4	53.8	28.6	58.6	44.0	
14	53.2	93.4	113.4	110.8	532.8	496.9	397.0	184.8	49.6	27.0	58.6	43.5	
15	53.2	97.0	107.2	110.2	537.3	499.4	391.9	178.5	47.8	27.4	57.4	43.0	
16	53.2	96.4	102.4	116.2	535.5	497.8	392.7	170.8	46.6	27.0	57.4	42.5	
17	50.8	94.0	102.4	121.1	532.8	488.4	396.1	158.2	46.0	27.0	58.0	41.0	
18	47.8	90.4	112.0	124.6	525.6	480.8	401.2	151.9	45.5	27.0	61.6	41.5	
19	48.4	73.6	126.0	130.2	521.1	468.1	402.9	150.5	51.4	25.4	65.2	43.0	
20	48.4	49.0	133.0	130.9	539.1	452.9	402.0	154.7	51.4	23.8	67.6	45.0	
21	47.2	49.6	133.7	130.2	547.2	436.8	397.8	158.9	43.0	23.4	66.4	45.0	
22	50.8	67.0	130.9	127.4	558.9	421.5	396.1	167.3	29.4	23.4	65.2	43.0	
23	55.0	89.2	128.1	127.4	561.6	410.5	392.7	179.2	24.2	23.4	62.8	42.5	
24	56.2	93.4	123.2	137.9	557.1	403.7	380.9	172.9	24.6	23.4	62.2	42.5	
25	52.6	92.8	119.7	146.3	546.3	400.3	374.9	153.3	25.0	24.2	61.6	42.5	
26	49.0	88.0	116.9	155.4	530.1	393.6	368.2	134.4	24.6	23.4	59.8	41.5	
27	49.6	88.6	131.6	156.8	505.4	383.4	364.2	123.9	24.6	23.4	58.6	39.0	
28	48.4	86.8	184.1	155.4	473.2	371.5	360.2	109.0	24.2	23.4	59.2	38.5	
29	49.6	76.6	250.6	147.7	434.2	367.4	359.4	98.2	32.5	22.7	58.6	38.5	
30	53.2	58.0	276.2	141.4	392.7	365.8	358.6	94.6	33.0	22.7		39.0	
31		54.4		135.1	358.6		357.0		34.5	22.7		39.5	
TOTAL	1498.8	2272.0	3769.5	4959.7	13140.5	12769.8	12052.5	5866.9	1637.5	867.2	1543.7	1383.8	61761.9 CMSDAY
MEAN	50.0	73.3	125.7	160.0	423.9	425.7	388.8	195.6	52.8	28.0	53.2	44.6	168.7 CMS
MAX	56.2	97.0	276.2	298.6	561.6	499.4	429.1	356.2	110.2	36.0	67.6	58.0	561.6 CMS
MIN	46.0	49.0	61.0	110.2	135.1	342.6	357.0	94.6	24.2	22.7	22.4	38.5	22.4 CMS
RUNOFF	129.50	196.30	325.68	428.52	1135.34	1103.31	1041.34	506.90	141.48	74.93	133.38	119.56	5336.23 MCM

MOMENTARY PEAK 561.60 CMS, AT 144.54 M (MSL), AT 18.00 HOURS, ON AUG 23, 1983

RUNOFF YIELD 5.66 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 18.85 LITERS/SECOND/SQUARE KM

WATER YEAR 1983

CHI RIVER BASIN

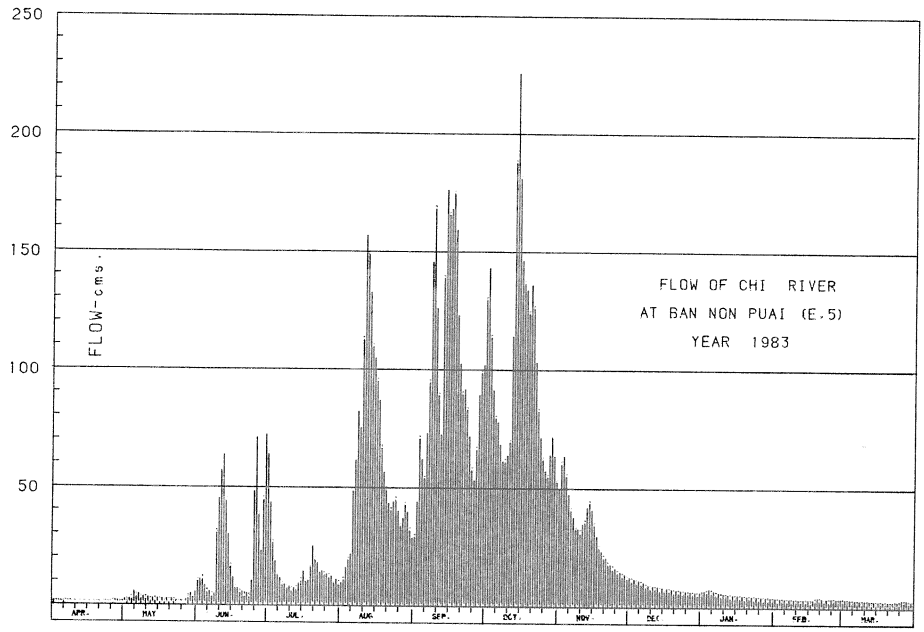
CHI RIVER NEAR BAN NON PUAI, CHAIYAPHUM (E.5)

LOCATION	LAT. 15°-46'-07" N., LONG. 101°-49'-03" E., ON LEFT BANK NEAR BAN NON PUAI ABOUT 30 METERS DOWNSTREAM FROM BAN TA NGO, AMPHOE BAN KHWAO, CHAIYAPHUM.
DRAINAGE AREA	4,254 SQ.KM.
TYPE OF GAGE	WATER-STAGE RECORDER.
ZERO GAGE AT BOTTOM	+186.07 M. (M.S.L.)
BENCH MARK	B.M.-H.D.
LOCATION	INFRONT OF THE STATION OFFICE.
ELEVATION	+197.543 M. (M.S.L.)
GAGE READING FREQUENCY	RECORDING.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 24 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1958 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1967-1971, 1973, 1979, 1982 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1967-1971, 1973, 1979, 1982 TO DATE.
STABILITY OF CHANNEL REGIMES	STABLE.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS GOOD. STAGE-DISCHARGE RELATION DEFINED BY 28 DISCHARGE MEASUREMENTS MADE IN 1983.

GAGE HEIGHT IN METER (MSL), WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	186.63	186.69	187.48	190.17	187.38	188.64	192.30	189.55	187.58	187.12	186.86	186.84	
2	186.62	186.71	187.47	189.30	187.53	189.32	192.65	190.01	187.56	187.15	186.85	186.82	
3	186.63	186.72	187.56	188.51	187.81	190.43	191.86	190.10	187.53	187.19	186.85	186.81	
4	186.61	186.83	187.29	187.98	188.09	190.04	191.13	189.80	187.51	187.23	186.84	186.80	
5	186.61	187.03	187.13	187.68	188.19	189.76	190.77	189.46	187.49	187.20	186.83	186.79	
6	186.63	186.92	187.04	187.51	189.55	190.48	190.67	189.22	187.47	187.15	186.83	186.79	
7	186.62	186.93	186.96	187.40	190.02	191.27	190.34	189.01	187.44	187.11	186.83	186.77	
8	186.62	186.85	186.93	187.33	190.86	192.72	190.01	188.81	187.39	187.08	186.82	186.77	
9	186.61	186.81	188.72	187.31	190.57	193.32	190.05	188.77	187.36	187.06	186.81	186.77	
10	186.60	186.83	189.37	187.26	191.83	192.17	190.11	188.76	187.35	187.04	186.81	186.77	
11	186.59	186.78	189.90	187.21	193.02	191.09	190.37	188.87	187.34	187.03	186.80	186.76	
12	186.59	186.74	190.11	187.19	192.85	190.46	191.84	188.96	187.33	187.01	186.80	186.76	
13	186.59	186.74	189.38	187.27	192.36	192.56	193.75	189.22	187.32	187.01	186.81	186.74	
14	186.59	186.77	188.63	187.36	191.75	193.47	194.45	189.35	187.30	186.99	186.81	186.74	
15	186.59	186.74	187.90	187.50	191.58	193.26	193.61	189.17	187.29	186.99	186.80	186.74	
16	186.59	186.72	187.52	187.70	191.29	193.29	192.74	188.91	187.28	186.98	186.79	186.74	
17	186.59	186.72	187.30	187.48	190.98	193.46	192.50	188.62	187.26	186.97	186.81	186.74	
18	186.59	186.71	187.18	187.44	190.28	193.08	192.39	188.43	187.26	186.96	186.86	186.73	
19	186.59	186.72	187.09	187.91	189.82	192.09	192.14	188.30	187.22	186.95	186.89	186.73	
20	186.59	186.71	187.03	188.38	189.57	191.50	192.45	188.20	187.20	186.94	186.88	186.72	
21	186.58	186.72	186.97	188.11	189.29	191.11	192.20	188.12	187.19	186.94	186.85	186.71	
22	186.60	186.71	186.97	187.94	189.20	191.14	191.52	188.01	187.19	186.93	186.84	186.72	
23	186.61	186.65	186.93	187.74	189.32	190.89	190.87	187.94	187.17	186.93	186.83	186.74	
24	186.60	186.64	187.43	187.71	189.40	190.43	190.41	187.90	187.15	186.92	186.83	186.73	
25	186.61	186.64	189.53	187.68	189.13	189.91	190.08	187.83	187.14	186.91	186.85	186.75	
26	186.66	186.64	190.40	187.62	188.87	189.69	189.85	187.77	187.13	186.90	186.85	186.81	
27	186.66	186.69	189.10	187.62	188.98	190.25	189.79	187.73	187.12	186.89	186.83	186.80	
28	186.63	186.88	188.27	187.56	189.31	191.06	190.12	187.69	187.11	186.89	186.82	186.80	
29	186.62	186.94	189.39	187.46	189.11	191.40	190.46	187.66	187.09	186.89	186.84	186.76	
30	186.62	186.92	190.45	187.47	188.78	191.48	190.10	187.62	187.08	186.88		186.75	
31		187.01		187.43	188.56		189.71		187.09	186.87		186.75	
MEAN	186.61	186.78	188.11	187.75	189.85	191.33	191.33	188.66	187.29	187.00	186.83	186.76	
MAX	186.66	187.03	190.45	190.17	193.02	193.47	194.45	190.10	187.58	187.23	186.89	186.84	194.45
MIN	186.58	186.64	186.93	187.19	187.38	188.64	189.71	187.62	187.08	186.87	186.79	186.71	186.58

ANNUAL MAX MOMENTARY GAGE HEIGHT 194.55 M (MSL), AT 11.00 HOURS, ON OCT 14, 1983
ZERO GAGE AT BOTTOM ELEVATION 186.07 M (MSL), RIVER BED 186.37 M (MSL)
LEFT BANK ELEVATION 197.54 M (MSL)
RIGHT BANK ELEVATION 197.47 M (MSL), DRAINAGE AREA 4254 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	1.80	2.40	11.20	65.25	9.70	30.30	130.54	49.75	12.70	6.70	4.10	3.90	
2	1.70	2.60	11.05	43.50	11.95	44.00	143.06	61.25	12.40	7.00	4.00	3.70	
3	1.80	2.70	12.40	27.70	16.15	71.75	114.80	63.50	11.95	7.40	4.00	3.60	
4	1.60	3.80	8.40	18.70	20.35	62.00	91.40	56.00	11.65	7.80	3.90	3.50	
5	1.60	5.80	6.80	14.20	21.85	55.00	80.60	47.50	11.35	7.50	3.80	3.40	
6	1.80	4.70	5.90	11.65	49.75	73.00	77.75	41.90	11.05	7.00	3.80	3.40	
7	1.70	4.80	5.10	10.00	61.50	95.60	69.50	37.70	10.60	6.60	3.80	3.20	
8	1.70	4.00	4.80	8.95	83.30	145.56	61.25	33.70	9.85	6.30	3.70	3.20	
9	1.60	3.60	31.90	8.65	75.25	169.40	62.25	32.90	9.40	6.10	3.60	3.20	
10	1.50	3.80	45.25	8.10	113.73	125.89	63.75	32.70	9.25	5.90	3.60	3.20	
11	1.40	3.30	58.50	7.60	156.80	90.20	70.25	34.90	9.10	5.80	3.50	3.10	
12	1.40	2.90	63.75	7.40	150.21	72.50	114.08	36.70	8.95	5.60	3.50	3.10	
13	1.40	2.90	45.50	8.20	132.68	139.84	188.75	41.90	8.80	5.60	3.60	2.90	
14	1.40	3.20	30.10	9.40	110.87	176.15	225.75	44.75	8.50	5.40	3.60	2.90	
15	1.40	2.90	17.50	11.50	104.90	166.70	182.45	40.90	8.40	5.40	3.50	2.90	
16	1.40	2.70	11.80	14.50	96.20	168.05	146.28	35.70	8.30	5.30	3.40	2.90	
17	1.40	2.70	8.50	11.20	86.90	175.70	137.69	29.90	8.10	5.20	3.60	2.90	
18	1.40	2.60	7.30	10.60	68.00	159.20	133.76	26.10	8.10	5.10	4.10	2.80	
19	1.40	2.70	6.40	17.65	56.50	123.03	124.82	23.50	7.70	5.00	4.40	2.80	
20	1.40	2.60	5.80	25.10	50.25	102.50	135.90	22.00	7.50	4.90	4.30	2.70	
21	1.30	2.70	5.20	20.65	43.30	90.80	126.96	20.80	7.40	4.90	4.00	2.60	
22	1.50	2.60	5.20	18.10	41.50	91.70	103.10	19.15	7.40	4.80	3.90	2.70	
23	1.60	2.00	4.80	15.10	44.00	84.20	83.60	18.10	7.20	4.80	3.80	2.90	
24	1.50	1.90	10.45	14.65	46.00	71.75	71.25	17.50	7.00	4.70	3.80	2.80	
25	1.60	1.90	49.25	14.20	40.10	58.75	63.00	16.45	6.90	4.60	4.00	3.00	
26	2.10	1.90	71.00	13.30	34.90	53.25	57.25	15.55	6.80	4.50	4.00	3.60	
27	2.10	2.40	39.50	13.30	37.10	67.25	55.75	14.95	6.70	4.40	3.80	3.50	
28	1.80	4.30	23.05	12.40	43.75	89.30	64.00	14.35	6.60	4.40	3.70	3.50	
29	1.70	4.90	45.75	10.90	39.70	99.50	72.50	13.90	6.40	4.40	3.90	3.10	
30	1.70	4.70	72.25	11.05	33.10	101.90	63.50	13.30	6.30	4.30		3.00	
31		5.60		10.45	28.70		53.75		6.40	4.20		3.00	
TOTAL	47.70	101.60	724.40	493.95	1908.99	3054.77	3169.29	957.30	268.75	171.60	110.70	97.00	11106.05 CMSDAY
MEAN	1.59	3.28	24.15	15.93	61.58	101.83	102.24	31.91	8.67	5.54	3.82	3.13	30.34 CMS
MAX	2.10	5.80	72.25	65.25	156.80	176.15	225.75	63.50	12.70	7.80	4.40	3.90	225.75 CMS
MIN	1.30	1.90	4.80	7.40	9.70	30.30	53.75	13.30	6.30	4.20	3.40	2.60	1.30 CMS
RUNOFF	4.121	8.778	62.588	42.677	164.937	263.932	273.827	82.711	23.220	14.826	9.564	8.381	959.563 MCM

MOMENTARY PEAK 231.25 CMS, AT 194.55 M (MSL), AT 11.00 HOURS, ON OCT 14, 1983

RUNOFF YIELD 7.13 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 54.36 LITERS/SECOND/SQUARE KM

WATER YEAR 1983

CHI RIVER BASIN

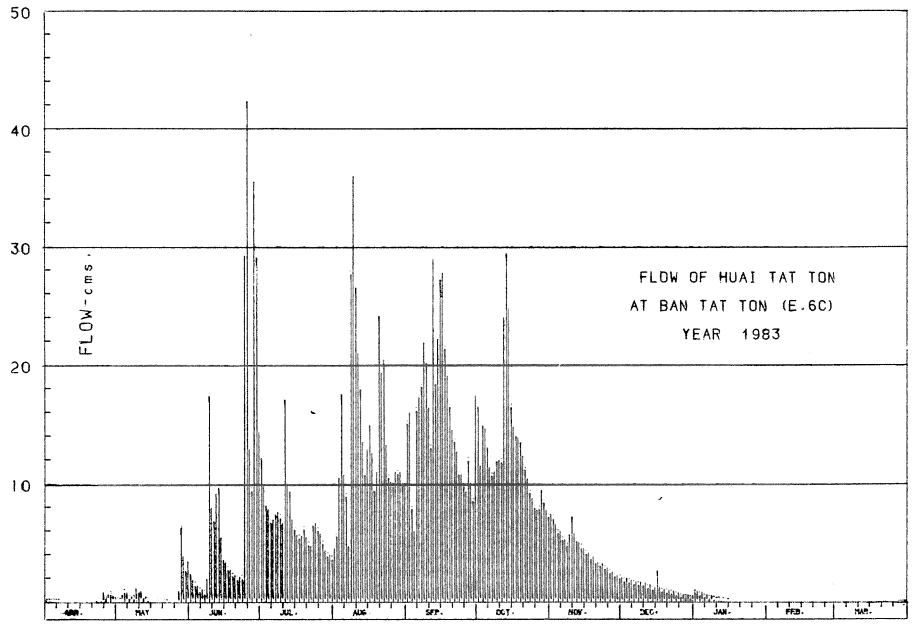
HUAI TAT TON AT BAN TAT TON, CHAIYAPHUM (E.6C).

LOCATION	LAT. 15°-57'-36" N., LONG. 102°-01'-57" E., ON RIGHT BANK ABOUT 5 KILOMETERS UPSTREAM FROM E.6A STATION AT BAN TAT TON, AMPHOE MUANG, CHAIYAPHUM.
DRAINAGE AREA	300 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM	+0.00 M.(A.D.)
BENCH MARK	B.M.-H.D.
LOCATION	NEAR THE AUTOMATIC GAGE BUILDING.
ELEVATION	+7.303 M.(A.D.)
GAGE READING FREQUENCY	5-TIME DAILY READINGS AT 06.00, 09.00, 12.00, 15.00 AND 18.00 HOURS.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 5 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1973 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1973 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1973 TO DATE.
STABILITY OF CHANNEL REGIMES	STABLE.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS GOOD. STAGE-DISCHARGE RELATION DEFINED BY 24 DISCHARGE MEASUREMENTS MADE IN 1983.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.64	0.66	0.94	1.87	1.15	2.10	2.20	1.44	0.88	0.74	0.58	0.51	
2	0.64	0.65	0.85	1.65	1.28	2.15	1.79	1.43	0.87	0.73	0.58	0.51	
3	0.64	0.69	0.83	1.53	1.71	1.50	2.09	1.36	0.87	0.72	0.57	0.51	
4	0.64	0.75	0.79	1.48	2.28	1.30	2.05	1.31	0.86	0.72	0.57	0.51	
5	0.64	0.72	0.77	1.40	1.73	2.18	1.94	1.30	0.85	0.70	0.57	0.51	
6	0.64	0.69	0.75	1.40	1.60	2.24	1.78	1.25	0.84	0.69	0.56	0.51	
7	0.63	0.67	0.74	1.46	1.17	2.32	1.74	1.23	0.83	0.68	0.56	0.50	
8	0.63	0.69	0.86	1.46	2.96	2.56	1.75	1.20	0.83	0.68	0.56	0.50	
9	0.63	0.76	2.27	1.44	3.46	2.46	1.84	1.27	0.83	0.67	0.55	0.50	
10	0.62	0.76	1.49	1.37	2.89	2.18	1.83	1.44	0.83	0.66	0.55	0.49	
11	0.62	0.73	1.41	2.25	2.50	1.94	1.84	1.28	0.82	0.66	0.55	0.49	
12	0.62	0.69	1.60	1.65	2.31	3.02	2.70	1.24	0.80	0.65	0.54	0.48	
13	0.61	0.67	1.66	1.64	1.96	2.34	3.07	1.21	0.80	0.65	0.54	0.47	
14	0.61	0.66	1.25	1.40	1.75	2.58	2.75	1.19	0.78	0.65	0.57	0.47	
15	0.61	0.64	1.07	1.34	1.91	2.93	2.20	1.15	0.77	0.64	0.57	0.47	
16	0.61	0.64	1.02	1.27	2.09	2.95	2.06	1.13	0.97	0.62	0.56	0.47	
17	0.61	0.64	0.98	1.27	1.88	2.54	2.02	1.11	0.77	0.63	0.56	0.45	
18	0.61	0.64	0.95	1.26	1.64	2.37	1.99	1.08	0.76	0.63	0.59	0.43	
19	0.60	0.64	0.92	1.34	1.75	2.20	1.98	1.07	0.75	0.62	0.59	0.42	
20	0.60	0.64	0.90	1.25	2.73	2.04	1.86	1.04	0.75	0.62	0.58	0.42	
21	0.60	0.64	0.89	1.21	2.39	1.98	1.78	1.02	0.74	0.61	0.56	0.49	
22	0.63	0.63	0.88	1.17	2.46	1.89	1.70	1.02	0.74	0.61	0.55	0.48	
23	0.63	0.62	0.90	1.37	1.94	1.75	1.62	1.01	0.73	0.61	0.55	0.48	
24	0.65	0.62	3.04	1.37	1.73	1.73	1.56	0.99	0.72	0.60	0.55	0.47	
25	0.72	0.62	3.85	1.33	1.68	1.67	1.51	0.97	0.71	0.60	0.54	0.47	
26	0.68	0.62	1.91	1.28	1.67	1.61	1.47	0.95	0.70	0.60	0.54	0.47	
27	0.70	0.73	1.64	1.22	1.75	1.85	1.50	0.93	0.69	0.60	0.53	0.47	
28	0.73	1.35	3.43	1.13	1.76	1.67	1.62	0.92	0.69	0.59	0.52	0.46	
29	0.68	1.08	3.05	1.11	1.75	1.56	1.55	0.90	0.69	0.58	0.52	0.45	
30	0.66	0.97	2.03	1.09	1.67	2.25	1.47	0.90	0.68	0.58		0.45	
31		1.03		1.08	1.67		1.44		0.68	0.58		0.45	
MEAN	0.64	0.73	1.46	1.39	1.97	2.13	1.89	1.14	0.78	0.64	0.56	0.48	
MAX	0.73	1.35	3.85	2.25	3.46	3.02	3.07	1.44	0.97	0.74	0.59	0.51	3.85
MIN	0.60	0.62	0.74	1.08	1.15	1.30	1.44	0.90	0.68	0.58	0.52	0.42	0.42

ANNUAL MAX MOMENTARY GAGE HEIGHT 3.90 M (A.D), AT 13.00 HOURS, ON JUN 25, 1983
ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D), RIVER BED 0.41 M (A.D)
LEFT BANK ELEVATION 7.65 M (A.D)
RIGHT BANK ELEVATION 7.01 M (A.D), DRAINAGE AREA 300 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.28	0.42	2.66	12.44	4.55	15.30	16.70	7.44	2.14	1.02	0.00	0.00	
2	0.28	0.35	1.90	9.80	5.80	16.00	11.48	7.33	2.06	0.94	0.00	0.00	
3	0.28	0.63	1.74	8.43	10.52	8.10	15.17	6.60	2.06	0.86	0.00	0.00	
4	0.28	1.10	1.42	7.88	17.82	6.00	14.65	6.10	1.98	0.86	0.00	0.00	
5	0.28	0.86	1.26	7.00	10.76	16.42	13.28	6.00	1.90	0.70	0.00	0.00	
6	0.28	0.63	1.10	7.00	9.20	17.26	11.36	5.50	1.82	0.63	0.00	0.00	
7	0.21	0.49	1.02	7.66	4.73	18.38	10.88	5.30	1.74	0.56	0.00	0.00	
8	0.21	0.63	1.98	7.66	27.96	21.90	11.00	5.00	1.74	0.56	0.00	0.00	
9	0.21	1.18	17.68	7.44	36.02	20.40	12.08	5.70	1.74	0.49	0.00	0.00	
10	0.14	1.18	7.99	6.70	26.85	16.42	11.96	7.44	1.74	0.42	0.00	0.00	
11	0.14	0.94	7.11	17.40	21.00	13.28	12.08	5.80	1.66	0.42	0.00	0.00	
12	0.14	0.63	9.20	9.80	18.24	28.92	24.00	5.40	1.50	0.35	0.00	0.00	
13	0.07	0.49	9.92	9.68	13.52	18.66	29.72	5.10	1.50	0.35	0.00	0.00	
14	0.07	0.42	5.50	7.00	11.00	22.20	24.75	4.91	1.34	0.35	0.00	0.00	
15	0.07	0.28	3.83	6.40	12.92	27.48	16.70	4.55	1.26	0.28	0.00	0.00	
16	0.07	0.28	3.38	5.70	15.17	27.80	14.78	4.37	2.93	0.14	0.00	0.00	
17	0.07	0.28	3.02	5.70	12.56	21.60	14.26	4.19	1.26	0.21	0.00	0.00	
18	0.07	0.28	2.75	5.60	9.68	19.08	13.88	3.92	1.18	0.21	0.00	0.00	
19	0.00	0.28	2.48	6.40	11.00	16.70	13.76	3.83	1.10	0.14	0.00	0.00	
20	0.00	0.28	2.30	5.50	24.45	14.52	12.32	3.56	1.10	0.14	0.00	0.00	
21	0.00	0.28	2.22	5.10	19.36	13.76	11.36	3.38	1.02	0.07	0.00	0.00	
22	0.21	0.21	2.14	4.73	20.40	12.68	10.40	3.38	1.02	0.07	0.00	0.00	
23	0.21	0.14	2.30	6.70	13.28	11.00	9.44	3.29	0.94	0.07	0.00	0.00	
24	0.35	0.14	29.24	6.70	10.76	10.76	8.76	3.11	0.86	0.00	0.00	0.00	
25	0.86	0.14	42.65	6.30	10.16	10.04	8.21	2.93	0.78	0.00	0.00	0.00	
26	0.56	0.14	12.92	5.80	10.04	9.32	7.77	2.75	0.70	0.00	0.00	0.00	
27	0.70	0.94	9.68	5.20	11.00	12.20	8.10	2.57	0.63	0.00	0.00	0.00	
28	0.94	6.50	35.51	4.37	11.12	10.04	9.44	2.48	0.63	0.00	0.00	0.00	
29	0.56	3.92	29.40	4.19	11.00	8.76	8.65	2.30	0.63	0.00	0.00	0.00	
30	0.42	2.93	14.39	4.01	10.04	17.40	7.77	2.30	0.56	0.00		0.00	
31		3.47		3.92	10.04		7.44		0.56	0.00		0.00	
TOTAL	7.96	30.44	268.69	218.21	440.95	482.38	402.15	136.53	42.08	9.84	0.00	0.00	2039.23 CMSDAY
MEAN	0.27	0.98	8.96	7.04	14.22	16.08	12.97	4.55	1.36	0.32	0.00	0.00	5.57 CMS
MAX	0.94	6.50	42.65	17.40	36.02	28.92	29.72	7.44	2.93	1.02	0.00	0.00	42.65 CMS
MIN	0.00	0.14	1.02	3.92	4.55	6.00	7.44	2.30	0.56	0.00	0.00	0.00	0.00 CMS
RUNOFF	0.688	2.630	23.215	18.853	38.098	41.678	34.746	11.796	3.636	0.850	0.000	0.000	176.189 MCM

MOMENTARY PEAK 43.50 CMS, AT 3.90 M (A.D), AT 13.00 HOURS, ON JUN 25, 1983

RUNOFF YIELD 18.57 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 145.00 LITERS/SECOND/SQUARE KM

WATER YEAR 1983

CHI RIVER BASIN

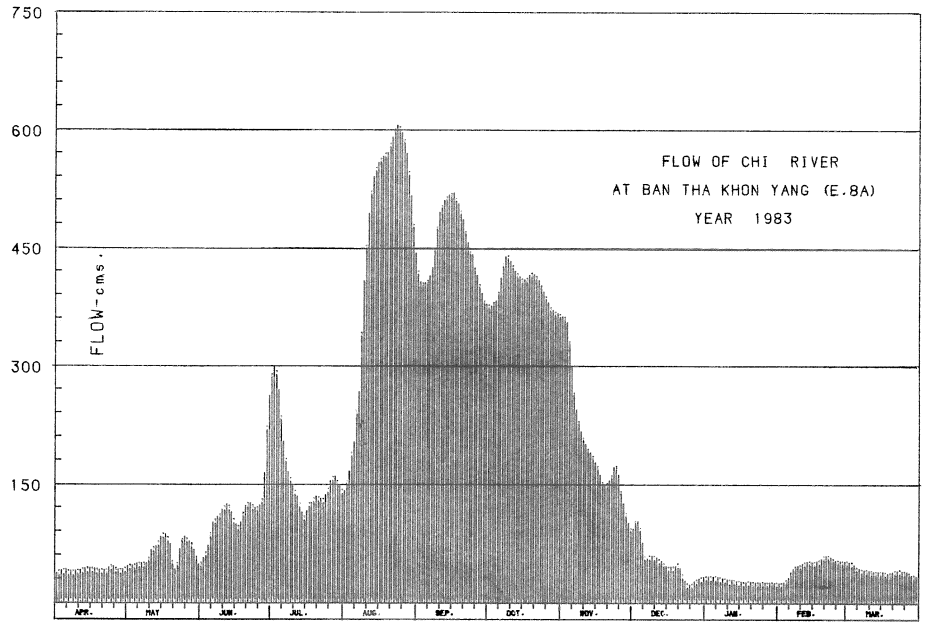
CHI RIVER AT BAN THA KHON YANG, MAHA SARAKHAM (E.8A)

LOCATION	LAT. 16°-13′-51″ N., LONG. 103°-16′-29″ E., ON RIGHT BANK AT THE BRIDGE OF MAHA SARAKHAM-KALASIN HIGHWAY, TAMBON THA KHON YANG, AMPHOE KANTHARAWICHAI, MAHA SARAKHAM.
DRAINAGE AREA	30,764 SQ.KM.
TYPE OF GAGE	WATER-STAGE RECORDER.
ZERO GAGE AT BOTTOM	+133.21 M. (M.S.L.)
BENCH MARK	B.M.-H.D.
LOCATION	NEAR THE AUTOMATIC GAGE BUILDING.
ELEVATION	+144.420 M. (M.S.L.)
GAGE READING FREQUENCY	RECORDING.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 24 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1955 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1955-1957, 1965-1976, 1982 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1955-1957, 1965-1976, 1982 TO DATE.
STABILITY OF CHANNEL REGIMES	STABLE.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS GOOD. FLOW REGULATED BY NAM PHONG DAM ABOVE GAGE SITE. STAGE-DISCHARGE RELATION DEFINED BY 32 DISCHARGE MEASUREMENTS MADE IN 1983.

GAGE HEIGHT IN METER (MSL), WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	134.58	134.78	134.87	138.55	136.48	140.16	139.64	139.46	135.70	134.49	134.30	134.91	
2	134.64	134.81	134.99	138.68	136.67	140.00	139.63	139.45	135.87	134.49	134.30	134.89	
3	134.66	134.80	135.13	138.60	136.86	139.98	139.68	139.37	135.87	134.49	134.32	134.88	
4	134.68	134.82	135.30	138.30	137.21	139.99	139.71	139.06	135.71	134.49	134.38	134.82	
5	134.69	134.85	135.59	137.86	137.40	140.02	139.84	138.67	135.38	134.49	134.46	134.75	
6	134.65	134.86	135.84	137.41	137.88	140.09	140.06	138.25	135.03	134.48	134.60	134.72	
7	134.64	134.86	135.90	137.10	138.27	140.21	140.27	137.97	134.98	134.46	134.71	134.69	
8	134.64	134.86	135.96	136.85	139.21	140.47	140.38	137.77	135.05	134.44	134.77	134.68	
9	134.65	134.86	136.01	136.73	140.02	140.82	140.39	137.59	135.05	134.43	134.79	134.68	
10	134.66	134.99	136.11	136.59	140.55	141.04	140.31	137.47	135.04	134.41	134.81	134.66	
11	134.67	135.19	136.18	136.48	141.03	141.14	140.24	137.36	135.01	134.39	134.85	134.65	
12	134.70	135.26	136.23	136.37	141.36	141.22	140.16	137.27	134.96	134.40	134.88	134.63	
13	134.72	135.29	136.19	136.23	141.58	141.27	140.12	137.21	134.92	134.38	134.90	134.63	
14	134.73	135.40	136.06	136.05	141.71	141.30	140.08	137.14	134.85	134.37	134.91	134.63	
15	134.73	135.51	135.91	135.96	141.78	141.32	140.04	137.03	134.79	134.36	134.89	134.62	
16	134.72	135.58	135.80	136.08	141.84	141.33	140.03	136.95	134.76	134.35	134.89	134.63	
17	134.71	135.57	135.76	136.24	141.87	141.25	140.05	136.79	134.77	134.33	134.91	134.61	
18	134.69	135.50	135.84	136.25	141.91	141.17	140.10	136.64	134.77	134.33	134.93	134.58	
19	134.67	135.34	136.04	136.33	141.92	141.06	140.13	136.59	134.79	134.35	134.97	134.59	
20	134.68	134.91	136.19	136.37	142.05	140.93	140.11	136.62	134.85	134.34	135.03	134.62	
21	134.67	134.69	136.24	136.36	142.14	140.76	140.08	136.68	134.73	134.33	135.05	134.66	
22	134.67	134.86	136.24	136.33	142.25	140.59	140.02	136.78	134.55	134.32	135.04	134.66	
23	134.74	135.21	136.20	136.32	142.31	140.45	139.94	136.94	134.37	134.32	135.01	134.68	
24	134.80	135.46	136.15	136.40	142.28	140.41	139.85	136.96	134.29	134.32	134.97	134.64	
25	134.78	135.52	136.16	136.52	142.20	140.21	139.77	136.79	134.25	134.33	134.93	134.64	
26	134.72	135.47	136.20	136.67	142.10	140.10	139.68	136.47	134.27	134.32	134.93	134.63	
27	134.69	135.41	136.31	136.75	141.91	139.96	139.60	136.24	134.35	134.31	134.92	134.59	
28	134.69	135.36	136.83	136.76	141.65	139.83	139.56	136.03	134.39	134.32	134.91	134.53	
29	134.69	135.20	137.68	136.67	141.29	139.71	139.53	135.83	134.43	134.32	134.91	134.53	
30	134.73	135.02	138.21	136.57	140.86	139.66	139.51	135.70	134.46	134.31		134.51	
31		134.83		136.50	140.43		139.49		134.48	134.31		134.50	
MEAN	134.69	135.13	136.07	136.80	140.55	140.55	139.94	137.30	134.86	134.38	134.80	134.66	
MAX	134.80	135.58	138.21	138.68	142.31	141.33	140.39	139.46	135.87	134.49	135.05	134.91	142.31
MIN	134.58	134.69	134.87	135.96	136.48	139.66	139.49	135.70	134.25	134.31	134.30	134.50	134.25

ANNUAL MAX MOMENTARY GAGE HEIGHT 142.31 M (MSL), AT 24.00 HOURS, ON AUG 23, 1983
ZERO GAGE AT BOTTOM ELEVATION 133.21 M (MSL), RIVER BED 133.34 M (MSL)
LEFT BANK ELEVATION 144.52 M (MSL)
RIGHT BANK ELEVATION 144.05 M (MSL), DRAINAGE AREA 30764 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	38.3	47.1	51.5	290.0	142.2	420.6	377.2	362.8	94.5	34.4	26.0	53.5	
2	41.0	48.5	57.5	300.4	154.6	407.0	376.4	362.0	104.2	34.4	26.0	52.5	
3	41.8	48.0	64.5	294.0	166.9	405.3	380.4	355.6	104.2	34.4	26.9	52.0	
4	42.7	49.0	73.0	270.0	190.7	406.2	382.8	330.8	95.1	34.4	29.5	49.0	
5	43.2	50.5	88.5	236.5	204.0	408.7	393.4	299.6	77.0	34.4	33.0	45.8	
6	41.4	51.0	102.4	204.7	238.0	414.7	412.1	266.0	59.5	33.9	39.2	44.5	
7	41.0	51.0	106.0	183.0	267.6	424.9	430.0	244.8	57.0	33.0	44.0	43.2	
8	41.0	51.0	109.6	166.3	342.8	446.9	439.3	229.9	60.5	32.2	46.7	42.7	
9	41.4	51.0	112.6	158.5	408.7	476.7	440.1	217.3	60.5	31.7	47.6	42.7	
10	41.8	57.5	118.6	149.4	453.7	495.4	433.4	208.9	60.0	30.8	48.5	41.8	
11	42.3	67.5	122.8	142.2	494.6	503.9	427.4	201.2	58.5	30.0	50.5	41.4	
12	43.6	71.0	126.0	135.1	522.6	510.7	420.6	194.9	56.0	30.4	52.0	40.5	
13	44.5	72.5	123.4	126.0	541.3	514.9	417.2	190.7	54.0	29.5	53.0	40.5	
14	44.9	78.0	115.6	115.0	552.9	517.5	413.8	185.8	50.5	29.1	53.5	40.5	
15	44.9	84.1	106.6	109.6	559.2	519.2	410.4	178.1	47.6	28.6	52.5	40.1	
16	44.5	87.9	100.0	116.8	564.6	520.0	409.6	172.8	46.2	28.2	52.5	40.5	
17	44.0	87.4	97.8	126.6	567.3	513.2	411.2	162.4	46.7	27.3	53.5	39.6	
18	43.2	83.5	102.4	127.3	570.9	506.5	415.5	152.6	46.7	27.3	54.5	38.3	
19	42.3	75.0	114.4	132.5	571.8	497.1	418.1	149.4	47.6	28.2	56.5	38.8	
20	42.7	53.5	123.4	135.1	583.5	486.1	416.3	151.3	50.5	27.8	59.5	40.1	
21	42.3	43.2	126.6	134.4	591.6	471.6	413.8	155.2	44.9	27.3	60.5	41.8	
22	42.3	51.0	126.6	132.5	601.5	457.2	408.7	161.7	37.0	26.9	60.0	41.8	
23	45.4	68.5	124.0	131.8	606.9	445.3	401.9	172.1	29.1	26.9	58.5	42.7	
24	48.0	81.3	121.0	137.0	604.2	441.8	394.3	173.4	25.6	26.9	56.5	41.0	
25	47.1	84.6	121.6	144.8	597.0	424.9	387.6	162.4	24.0	27.3	54.5	41.0	
26	44.5	81.9	124.0	154.6	588.0	415.5	380.4	141.6	24.8	26.9	54.5	40.5	
27	43.2	78.6	131.2	159.8	570.9	403.6	374.0	126.6	28.2	26.4	54.0	38.8	
28	43.2	76.0	165.0	160.4	547.5	392.5	370.8	113.8	30.0	26.9	53.5	36.1	
29	43.2	68.0	223.6	154.6	516.7	382.8	368.4	101.8	31.7	26.9	53.5	36.1	
30	44.9	59.0	262.8	148.1	480.1	378.8	366.8	94.5	33.0	26.4		35.2	
31		49.5		143.5	443.6		365.2		33.9	26.4		34.8	
TOTAL	1294.6	2006.6	3543.0	5120.5	14245.9	13609.5	12457.1	6020.0	1619.0	915.2	1410.9	1297.8	63540.1 CMSDAY
MEAN	43.2	64.7	118.1	165.2	459.5	453.6	401.8	200.7	52.2	29.5	48.7	41.9	173.6 CMS
MAX	48.0	87.9	262.8	300.4	606.9	520.0	440.1	362.8	104.2	34.4	60.5	53.5	606.9 CMS
MIN	38.3	43.2	51.5	109.6	142.2	378.8	365.2	94.5	24.0	26.4	26.0	34.8	24.0 CMS
RUNOFF	111.85	173.37	306.12	442.41	1230.85	1175.86	1076.29	520.13	139.88	79.07	121.90	112.13	5489.86 MCM

MOMENTARY PEAK 606.90 CMS, AT 142.31 M (MSL), AT 24.00 HOURS, ON AUG 23, 1983

RUNOFF YIELD 5.64 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 19.73 LITERS/SECOND/SQUARE KM

WATER YEAR 1983

CHI RIVER BASIN

CHI RIVER AT BAN THA PHRA, KHON KAEN (E.16A)

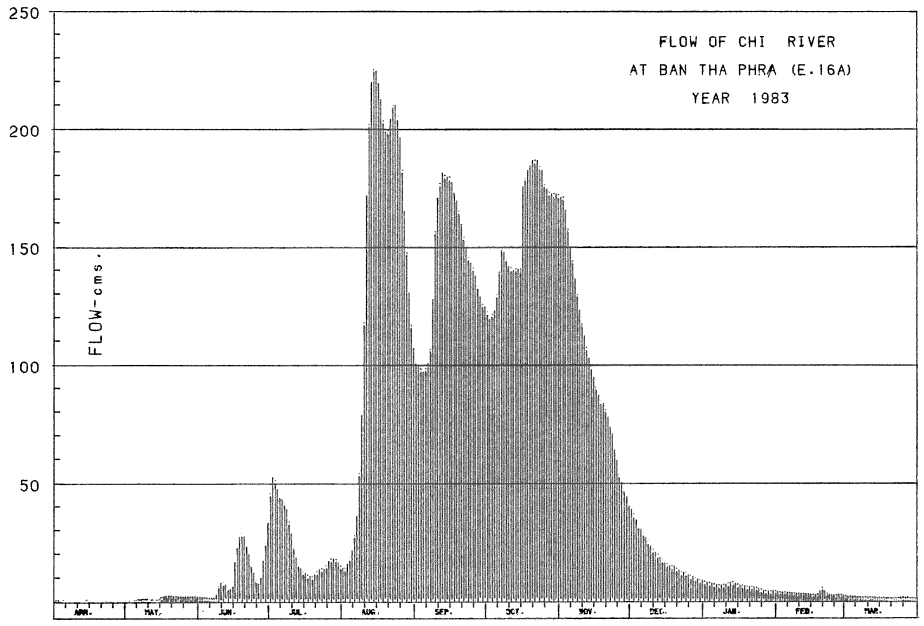
LOCATION — LAT. 16°-21'-14" N., LONG. 102°-45'-09" E., ON LEFT BANK ABOUT 400 METERS UPSTREAM FROM THE BRIDGE OF KHON KAEN-MAHA SARAKHAM HIGHWAY, TAMBON DON HAN, AMPHOE MUANG, KHON KAEN.

DRAINAGE AREA	13,171 SQ.KM.
TYPE OF GAGE	WATER-STAGE RECORDER.
ZERO GAGE AT BOTTOM	+142.94 M. (M.S.L.)
BENCH MARK	B.M.-H.D.
LOCATION	ON LEFT BANK AT THE RAILWAY BRIDGE.
ELEVATION	+157.566 M. (M.S.L.)
GAGE READING FREQUENCY	RECORDING.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 24 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1957 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1963, 1965 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1963, 1965 TO DATE.
STABILITY OF CHANNEL REGIMES	FAIRLY STABLE.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS GOOD. STAGE-DISCHARGE RELATION DEFINED BY 37 DISCHARGE MEASUREMENTS MADE IN 1983.

GAGE HEIGHT IN METER (MSL), WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	142.79	142.73	143.03	145.48	144.19	146.96	147.39	147.64	144.65	143.63	143.34	143.08	
2	142.78	142.72	143.02	145.71	144.18	146.91	147.33	147.64	144.59	143.62	143.31	143.06	
3	142.77	142.73	143.01	145.67	144.28	146.89	147.37	147.53	144.52	143.60	143.31	143.05	
4	142.77	142.75	142.99	145.54	144.41	146.86	147.40	147.37	144.45	143.59	143.30	143.04	
5	142.76	142.77	142.97	145.46	144.56	146.89	147.52	147.22	144.41	143.57	143.29	143.03	
6	142.75	142.82	142.96	145.40	144.85	146.94	147.70	147.10	144.36	143.55	143.27	143.01	
7	142.75	142.83	142.96	145.35	145.16	147.07	147.88	146.95	144.31	143.54	143.26	143.01	
8	142.74	142.85	143.20	145.26	145.76	147.49	147.85	146.81	144.26	143.54	143.24	143.00	
9	142.74	142.85	143.62	145.08	146.44	148.01	147.80	146.67	144.19	143.55	143.23	142.99	
10	142.74	142.84	143.75	144.88	147.30	148.27	147.74	146.54	144.14	143.56	143.22	142.99	
11	142.76	142.82	143.75	144.65	148.29	148.38	147.73	146.43	144.10	143.59	143.22	143.01	
12	142.77	142.82	143.69	144.42	148.80	148.46	147.71	146.32	144.07	143.61	143.20	143.00	
13	142.78	142.81	143.60	144.29	149.10	148.44	147.72	146.22	144.03	143.62	143.20	142.98	
14	142.78	142.80	143.49	144.18	149.19	148.43	147.72	146.14	144.00	143.59	143.18	142.96	
15	142.77	142.85	143.72	144.09	149.18	148.43	147.72	146.04	143.95	143.56	143.17	142.95	
16	142.77	143.02	144.32	144.06	149.11	148.39	147.73	145.95	143.94	143.54	143.15	142.95	
17	142.77	143.09	144.66	144.00	148.98	148.33	147.80	145.87	143.91	143.53	143.15	142.93	
18	142.76	143.13	144.82	143.97	148.83	148.25	147.87	145.81	143.91	143.52	143.19	142.92	
19	142.75	143.14	144.88	143.96	148.75	148.17	147.93	145.79	143.91	143.50	143.35	142.91	
20	142.74	143.12	144.83	144.02	148.76	148.07	147.95	145.73	143.87	143.50	143.47	142.91	
21	142.73	143.09	144.69	144.10	148.84	147.97	147.95	145.66	143.84	143.50	143.36	142.91	
22	142.71	143.09	144.49	144.15	148.94	147.89	147.95	145.59	143.81	143.49	143.23	142.92	
23	142.70	143.08	144.28	144.17	148.94	147.81	147.90	145.49	143.80	143.47	143.15	142.93	
24	142.70	143.05	144.06	144.16	148.86	147.77	147.87	145.35	143.80	143.45	143.12	142.96	
25	142.71	143.05	143.87	144.24	148.71	147.73	147.75	145.21	143.76	143.42	143.11	142.97	
26	142.71	143.06	143.72	144.34	148.48	147.67	147.71	145.06	143.74	143.39	143.13	142.97	
27	142.70	143.06	143.99	144.39	148.17	147.59	147.68	144.97	143.73	143.37	143.17	142.95	
28	142.71	143.05	144.35	144.40	147.85	147.51	147.67	144.90	143.70	143.35	143.14	142.93	
29	142.71	143.07	144.71	144.38	147.54	147.45	147.67	144.80	143.68	143.35	143.11	142.93	
30	142.71	143.06	145.06	144.31	147.28	147.43	147.67	144.73	143.66	143.37		142.91	
31		143.05		144.23	147.08		147.66		143.65	143.36		142.89	
MEAN	142.74	142.94	143.88	144.59	147.45	147.75	147.72	146.12	144.02	143.51	143.23	142.97	
MAX	142.79	143.14	145.06	145.71	149.19	148.46	147.95	147.64	144.65	143.63	143.47	143.08	149.19
MIN	142.70	142.72	142.96	143.96	144.18	146.86	147.33	144.73	143.65	143.35	143.11	142.89	142.70

ANNUAL MAX MOMENTARY GAGE HEIGHT 149.20 M (MSL), AT 24.00 HOURS, ON AUG 14, 1983
ZERO GAGE AT BOTTOM ELEVATION 142.94 M (MSL), RIVER BED 138.74 M (MSL)
LEFT BANK ELEVATION 158.26 M (MSL)
RIGHT BANK ELEVATION 158.28 M (MSL), DRAINAGE AREA 13171 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.95	0.65	2.18	45.90	14.44	101.70	122.50	171.00	39.25	8.73	4.46	2.56	
2	0.90	0.60	2.12	52.81	14.28	99.45	119.50	171.00	37.15	8.52	4.19	2.42	
3	0.85	0.65	2.06	51.60	16.12	98.55	121.50	165.50	34.70	8.10	4.19	2.35	
4	0.85	0.75	1.95	47.70	18.61	97.20	123.00	157.50	32.25	7.94	4.10	2.28	
5	0.80	0.85	1.85	45.30	21.76	98.55	129.60	150.00	30.85	7.62	4.03	2.21	
6	0.75	1.10	1.80	43.50	28.25	100.80	139.50	144.00	29.10	7.30	3.89	2.07	
7	0.75	1.15	1.80	42.00	36.30	106.79	149.40	136.50	27.35	7.14	3.82	2.07	
8	0.70	1.25	3.20	39.30	54.36	127.95	147.75	129.68	25.80	7.14	3.68	2.00	
9	0.70	1.25	6.72	34.00	79.16	156.55	145.00	123.15	23.70	7.30	3.61	1.95	
10	0.70	1.20	8.20	29.00	118.00	170.85	141.70	117.30	22.20	7.46	3.54	1.95	
11	0.80	1.10	8.20	23.65	171.95	176.90	141.15	112.35	21.00	7.94	3.54	2.07	
12	0.85	1.10	7.49	18.82	202.00	181.60	140.05	107.40	20.10	8.31	3.40	2.00	
13	0.90	1.05	6.50	16.31	220.00	180.40	140.60	102.90	18.90	8.52	3.40	1.90	
14	0.90	1.00	5.52	14.28	225.40	179.80	140.60	99.30	18.00	7.94	3.26	1.80	
15	0.85	1.25	7.84	12.85	224.80	179.80	140.60	94.80	16.50	7.46	3.19	1.75	
16	0.85	2.12	16.88	12.40	220.60	177.45	175.50	90.80	16.20	7.14	3.05	1.75	
17	0.85	2.54	23.86	11.50	212.80	174.15	179.00	87.28	15.30	6.98	3.05	1.65	
18	0.80	2.78	27.50	11.05	203.80	169.75	182.50	84.64	15.30	6.82	3.33	1.60	
19	0.75	2.84	29.00	10.90	199.00	165.35	185.65	83.76	15.30	6.50	4.55	1.55	
20	0.70	2.72	27.75	11.80	199.60	159.85	186.75	81.12	14.25	6.50	6.05	1.55	
21	0.65	2.54	24.49	13.00	204.40	154.35	186.75	78.08	13.50	6.50	4.64	1.55	
22	0.55	2.54	20.29	13.80	210.40	149.95	186.75	75.10	12.75	6.35	3.61	1.60	
23	0.50	2.48	16.12	14.12	210.40	145.55	184.00	71.10	12.50	6.05	3.05	1.65	
24	0.50	2.30	12.40	13.96	205.60	143.35	182.50	65.50	12.50	5.75	2.84	1.80	
25	0.55	2.30	9.64	15.36	196.60	141.15	176.50	59.90	11.58	5.30	2.77	1.85	
26	0.55	2.36	7.84	17.26	182.80	137.85	174.50	53.94	11.12	4.91	2.91	1.85	
27	0.50	2.36	11.35	18.21	165.35	133.45	173.00	50.52	10.89	4.73	3.19	1.75	
28	0.55	2.30	17.45	18.40	147.75	129.05	172.50	48.00	10.20	4.55	2.98	1.65	
29	0.55	2.42	24.93	18.02	130.70	125.75	172.50	44.50	9.78	4.55	2.77	1.65	
30	0.55	2.36	33.50	16.69	117.00	124.65	172.50	42.05	9.36	4.73		1.55	
31		2.30		15.17	107.26		172.00		9.15	4.64		1.45	
TOTAL	21.65	54.21	370.43	748.66	4359.49	4288.54	4905.35	2998.67	596.53	209.42	105.09	57.83	18715.87 CMSDAY
MEAN	0.72	1.75	12.35	24.15	140.63	142.95	158.24	99.96	19.24	6.76	3.62	1.87	51.14 CMS
MAX	0.95	2.84	33.50	52.81	225.40	181.60	186.75	171.00	39.25	8.73	6.05	2.56	225.40 CMS
MIN	0.50	0.60	1.80	10.90	14.28	97.20	119.50	42.05	9.15	4.55	2.77	1.45	0.50 CMS
RUNOFF	1.871	4.684	32.005	64.684	376.660	370.530	423.822	259.085	51.540	18.094	9.080	4.997	1617.051 MCM

MOMENTARY PEAK 226.00 CMS, AT 149.20 M (MSL), AT 24.00 HOURS, ON AUG 14, 1983

RUNOFF YIELD 3.88 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 17.16 LITERS/SECOND/SQUARE KM

WATER YEAR 1983

CHI RIVER BASIN

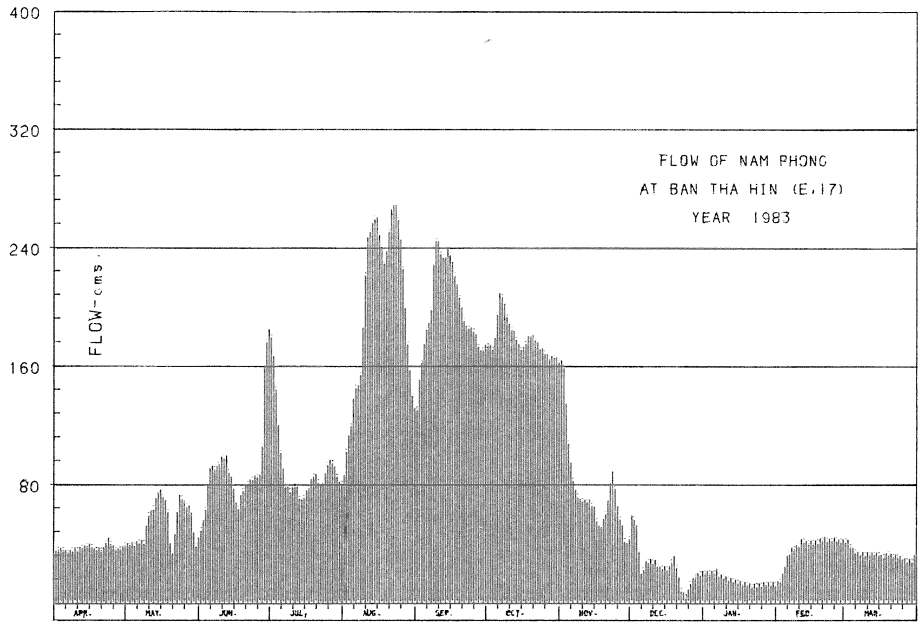
LAM NAM PHONG AT BAN THA HIN, KHON KAEN (E.17).

LOCATION	LAT. 16°-26'-20" N., LONG. 102°-56'-52" E., ON LEFT BANK AT THE BRIDGE OF KHON KAEN-KALASIN HIGHWAY, BAN THA HIN, TAM BON THA HIN, AMPHOE MUANG, KHON KAEN.
DRAINAGE AREA	14,426 SQ.KM.
TYPE OF GAGE	WATER-STAGE RECORDER.
ZERO GAGE AT BOTTOM	+140.821 M.(M.S.L.).
BENCH MARK	B.M.-H.D.
LOCATION	NEAR THE AUTOMATIC GAGE BUILDING.
ELEVATION	+151.215 M.(M.S.L.).
GAGE READING FREQUENCY	RECORDING.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 24 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1954 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1965-1973.
RATED BY FLOAT	-
RATED BY CURRENT METER	1965-1973.
STABILITY OF CHANNEL REGIMES	FAIRLY STABLE.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS GOOD. STAGE-DISCHARGE RELATION DEFINED BY 306 DISCHARGE MEASUREMENTS MADE DURING 1965-1973.

GAGE HEIGHT IN METER (MSL), WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	143.24	143.42	143.77	147.22	144.80	146.02	147.08	146.82	144.01	142.72	142.40	143.52	
2	143.32	143.42	143.91	146.89	145.28	146.49	147.07	146.73	143.99	142.72	142.47	143.50	
3	143.31	143.44	144.18	146.37	145.53	146.81	147.03	146.08	143.81	142.72	142.64	143.39	
4	143.32	143.42	144.62	145.71	145.73	147.08	147.17	145.44	143.28	142.72	142.91	143.32	
5	143.25	143.46	144.98	145.26	146.17	147.33	147.56	145.03	142.63	142.72	143.13	143.27	
6	143.25	143.49	144.98	144.92	146.39	147.40	147.85	144.74	142.81	142.78	143.25	143.23	
7	143.26	143.49	144.96	144.63	146.40	147.63	147.82	144.52	142.98	142.65	143.33	143.22	
8	143.32	143.48	144.97	144.58	146.61	148.25	147.69	144.44	143.03	142.62	143.35	143.22	
9	143.32	143.80	145.05	144.55	147.33	148.61	147.52	144.35	143.04	142.60	143.38	143.21	
10	143.32	144.07	145.15	144.57	148.13	148.58	147.39	144.35	143.01	142.56	143.42	143.22	
11	143.34	144.11	145.17	144.63	148.63	148.43	147.33	144.33	143.02	142.54	143.52	143.21	
12	143.37	144.21	145.17	144.58	148.74	148.35	147.28	144.33	142.91	142.51	143.52	143.21	
13	143.37	144.36	144.91	144.40	148.83	148.39	147.18	144.34	142.84	142.48	143.48	143.21	
14	143.41	144.53	144.77	144.34	148.93	148.48	147.08	144.26	142.85	142.45	143.48	143.21	
15	143.41	144.53	144.60	144.42	148.91	148.42	147.02	144.19	142.85	142.43	143.48	143.21	
16	143.39	144.44	144.27	144.51	148.70	148.29	147.04	143.94	142.84	142.40	143.49	143.15	
17	143.30	144.33	144.19	144.60	148.50	148.13	147.12	143.80	142.85	142.38	143.49	143.16	
18	143.32	144.13	144.42	144.72	148.30	147.97	147.20	143.83	143.02	142.37	143.50	143.19	
19	143.32	143.42	144.55	144.82	148.44	147.81	147.23	143.94	143.12	142.36	143.53	143.22	
20	143.31	143.26	144.62	144.82	148.74	147.63	147.22	144.10	142.88	142.33	143.54	143.18	
21	143.33	143.62	144.68	144.71	149.02	147.46	147.17	144.32	142.52	142.29	143.57	143.16	
22	143.47	144.15	144.72	144.62	149.11	147.36	147.11	144.70	142.15	142.31	143.54	143.16	
23	143.54	144.43	144.76	144.64	149.08	147.35	147.04	144.87	141.97	142.31	143.53	143.15	
24	143.45	144.41	144.79	144.83	148.90	147.33	147.02	144.59	141.85	142.32	143.53	143.13	
25	143.37	144.32	144.81	145.03	148.60	147.31	146.97	144.20	142.10	142.33	143.55	143.13	
26	143.32	144.26	144.81	145.08	148.22	147.23	146.92	143.98	142.38	142.36	143.54	143.07	
27	143.30	144.22	145.38	145.07	147.62	147.07	146.88	143.81	142.51	142.36	143.51	143.05	
28	143.33	144.14	146.74	144.96	147.11	146.98	146.89	143.52	142.61	142.37	143.52	143.05	
29	143.35	143.66	147.15	144.81	146.65	147.02	146.90	143.42	142.65	142.36	143.51	143.05	
30	143.42	143.42	147.31	144.67	146.25	147.07	146.87	143.57	142.69	142.38		143.15	
31		143.55		144.68	146.00		146.82		142.72	142.36		143.11	
MEAN	143.34	143.90	144.95	144.96	147.60	147.61	147.18	144.48	142.84	142.48	143.35	143.20	
MAX	143.54	144.53	147.31	147.22	149.11	148.61	147.85	146.82	144.01	142.78	143.57	143.52	149.11
MIN	143.24	143.26	143.77	144.34	144.80	146.02	146.82	143.42	141.85	142.29	142.40	143.05	141.85

ANNUAL MAX MOMENTARY GAGE HEIGHT 149.14 M (MSL), AT 17.00 HOURS, ON AUG 22, 1983
ZERO GAGE AT BOTTOM ELEVATION 140.82 M (MSL), RIVER BED 140.45 M (MSL)
LEFT BANK ELEVATION 151.28 M (MSL)
RIGHT BANK ELEVATION 151.09 M (MSL), DRAINAGE AREA 14426 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	35.36	40.60	51.30	181.08	86.48	132.30	174.84	163.80	59.17	22.00	15.16	43.60	
2	37.60	40.60	55.87	166.74	103.82	150.63	174.40	160.02	58.51	22.00	16.52	43.00	
3	37.32	41.20	64.78	145.95	113.19	163.38	172.64	134.64	52.58	22.00	20.08	39.70	
4	37.60	40.60	80.00	120.21	120.99	174.84	178.84	109.76	36.48	22.00	26.56	37.60	
5	35.64	41.80	92.96	103.08	138.15	186.01	196.31	94.76	19.84	22.00	32.28	36.20	
6	35.64	42.70	92.96	90.80	146.73	189.14	209.61	84.32	24.16	23.44	35.64	35.08	
7	35.92	42.70	92.24	80.36	147.12	199.46	208.20	76.40	28.36	20.32	37.90	34.80	
8	37.60	42.40	92.60	78.56	155.31	228.44	202.22	73.52	29.66	19.60	38.50	34.80	
9	37.60	52.26	95.48	77.48	186.01	245.91	194.52	70.42	29.92	19.18	39.40	34.52	
10	37.60	61.15	99.08	78.20	222.77	244.44	188.70	70.42	29.14	18.34	40.60	34.80	
11	38.20	62.47	99.80	80.36	246.89	237.09	186.01	69.74	29.40	17.92	43.60	34.52	
12	39.10	65.77	99.80	78.56	252.28	233.24	183.77	69.74	26.56	17.31	43.60	34.52	
13	39.10	70.76	90.44	72.12	256.69	235.16	179.29	70.08	24.88	16.72	42.40	34.52	
14	40.30	76.76	85.40	70.08	261.59	239.54	174.84	67.42	25.12	16.14	42.40	34.52	
15	40.30	76.76	79.28	72.80	260.61	236.60	172.20	65.11	25.12	15.75	42.40	34.52	
16	39.70	73.52	67.75	76.04	250.32	230.36	173.08	56.86	24.88	15.16	42.70	32.84	
17	37.04	69.74	65.11	79.28	240.52	222.77	176.60	52.26	25.12	14.77	42.70	33.12	
18	37.60	63.13	72.80	83.60	230.84	215.25	180.18	53.23	29.40	14.58	43.00	33.96	
19	37.60	40.60	77.48	87.20	237.58	207.74	181.53	56.86	32.00	14.38	43.90	34.80	
20	37.32	35.92	80.00	87.20	252.28	199.46	181.08	62.14	25.84	13.80	44.20	33.68	
21	37.90	46.60	82.16	83.24	266.00	191.83	178.84	69.40	17.50	13.02	45.10	33.12	
22	42.10	63.79	83.60	80.00	270.50	187.35	176.16	82.88	10.29	13.41	44.20	33.12	
23	44.20	73.16	85.04	80.72	269.00	186.90	173.08	89.00	7.40	13.41	43.90	32.84	
24	41.50	72.46	86.12	87.56	260.12	186.01	172.20	78.92	5.79	13.60	43.90	32.28	
25	39.10	69.40	86.84	94.76	245.42	185.11	170.10	65.44	9.38	13.80	44.50	32.28	
26	37.60	67.42	86.84	96.56	227.00	181.53	168.00	58.18	14.77	14.38	44.20	30.70	
27	37.04	66.10	107.52	96.20	199.00	174.40	166.32	52.58	17.31	14.38	43.30	30.18	
28	37.90	63.46	160.44	92.24	176.16	170.52	166.74	43.60	19.39	14.58	43.60	30.18	
29	38.50	47.84	177.94	86.84	156.87	172.20	167.16	40.60	20.32	14.38	43.30	30.18	
30	40.60	40.60	185.11	81.80	141.27	174.40	165.90	45.10	21.28	14.77		32.84	
31		44.50		82.16	131.52		163.80		22.00	14.38		31.74	
TOTAL	1150.58	1736.77	2776.74	2871.78	6253.03	5982.01	5557.16	2287.20	801.57	521.52	1129.54	1064.56	32132.46 CMSDAY
MEAN	38.35	56.02	92.56	92.64	201.71	199.40	179.26	76.24	25.86	16.82	38.95	34.34	87.79 CMS
MAX	44.20	76.76	185.11	181.08	270.50	245.91	209.61	163.80	59.17	23.44	45.10	43.60	270.50 CMS
MIN	35.36	35.92	51.30	70.08	86.48	132.30	163.80	40.60	5.79	13.02	15.16	30.18	5.79 CMS
RUNOFF	99.410	150.057	239.910	248.122	540.262	516.846	480.139	197.614	69.256	45.059	97.592	91.978	2776.245 MCM

MOMENTARY PEAK 272.00 CMS, AT 149.14 M (MSL), AT 17.00 HOURS, ON AUG 22, 1983

RUNOFF YIELD 6.09 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 18.85 LITERS/SECOND/SQUARE KM

WATER YEAR 1983

CHI RIVER BASIN

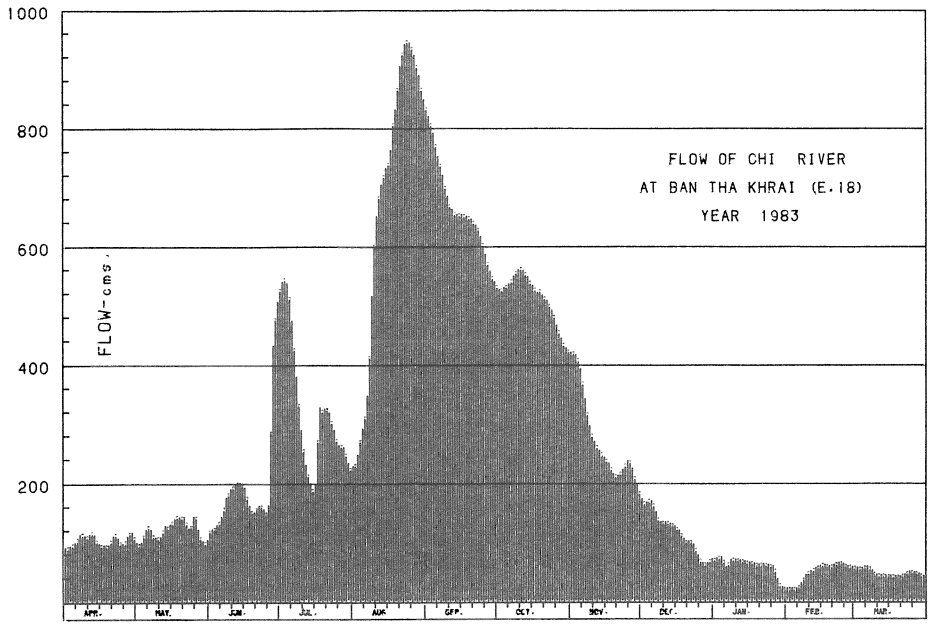
CHI RIVER AT BAN THA KHRAI, ROI ET (E.18)

LOCATION	LAT. 16°-01'-59" N., LONG. 103°-54'-38" E., ON LEFT BANK AT BAN THA KHRAI,AMPHOE SELAPHUM, ROI ET.
DRAINAGE AREA	41,594 SQ.KM.
TYPE OF GAGE	WATER-STAGE RECORDER.
ZERO GAGE AT BOTTOM	+122.244 M. (M.S.L.)
BENCH MARK	B.M.-H.D.
LOCATION	ON LEFT BANK ABOUT 10 METERS FROM AUTOMATIC GAGE BUILDING.
ELEVATION	+132.934 M. (M.S.L.)
GAGE READING FREQUENCY	RECORDING.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 24 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1954 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1974 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1974 TO DATE.
STABILITY OF CHANNEL REGIMES	FAIRLY STABLE BECAUSE OF BACKWATER EFFECT.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS GOOD. STAGE-DISCHARGE RELATION DEFINED BY 128 DISCHARGE MEASUREMENTS MADE IN 1983

GAGE HEIGHT IN METER (MSL), WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	124.51	124.63	124.91	129.00	126.23	131.24	129.45	128.44	125.82	124.49	123.58	124.26	
2	124.52	124.60	124.95	129.11	126.26	131.19	129.40	128.44	125.73	124.51	123.58	124.25	
3	124.55	124.64	124.97	129.15	126.42	131.14	129.40	128.40	125.74	124.53	123.58	124.24	
4	124.59	124.80	125.03	129.09	126.66	131.08	129.43	128.32	125.79	124.53	123.57	124.24	
5	124.63	124.94	125.10	128.89	126.86	130.99	129.45	128.16	125.77	124.43	123.58	124.27	
6	124.73	125.01	125.21	128.56	127.06	130.90	129.48	127.93	125.68	124.26	123.64	124.28	
7	124.83	124.94	125.40	128.13	127.41	130.83	129.53	127.66	125.49	124.36	123.75	124.24	
8	124.85	124.81	125.61	127.70	128.01	130.74	129.59	127.41	125.32	124.47	123.90	124.17	
9	124.80	124.76	125.70	127.27	128.91	130.63	129.65	127.20	125.24	124.49	124.03	124.09	
10	124.79	124.76	125.79	126.84	129.62	130.54	129.68	127.05	125.24	124.48	124.11	124.04	
11	124.83	124.77	125.84	126.51	130.00	130.45	129.70	126.93	125.24	124.47	124.16	124.03	
12	124.88	124.92	125.88	126.25	130.24	130.41	129.67	126.84	125.24	124.46	124.20	124.03	
13	124.82	125.02	125.92	126.07	130.39	130.37	129.63	126.76	125.21	124.45	124.24	124.03	
14	124.68	125.00	125.93	125.91	130.49	130.36	129.58	126.70	125.18	124.43	124.27	124.03	
15	124.61	125.05	125.90	125.78	130.57	130.36	129.51	126.63	125.14	124.41	124.30	124.01	
16	124.58	125.10	125.82	125.90	130.62	130.36	129.46	126.58	125.09	124.40	124.34	124.01	
17	124.58	125.16	125.62	126.66	130.75	130.35	129.41	126.52	125.05	124.39	124.33	124.00	
18	124.57	125.22	125.44	127.22	131.00	130.34	129.36	126.42	124.97	124.37	124.31	123.99	
19	124.58	125.20	125.32	127.17	131.12	130.33	129.39	126.32	124.89	124.35	124.29	123.99	
20	124.68	125.21	125.30	127.20	131.28	130.31	129.32	126.29	124.84	124.34	124.30	123.98	
21	124.79	125.21	125.38	127.20	131.42	130.28	129.29	126.29	124.84	124.35	124.33	124.02	
22	124.84	125.08	125.44	127.13	131.50	130.24	129.25	126.33	124.84	124.35	124.36	124.05	
23	124.74	124.96	125.44	126.98	131.55	130.20	129.18	126.40	124.78	124.34	124.39	124.10	
24	124.63	125.01	125.37	126.84	131.57	130.11	129.11	126.49	124.68	124.33	124.39	124.14	
25	124.61	125.21	125.29	126.68	131.57	130.02	129.02	126.56	124.57	124.31	124.36	124.14	
26	124.66	125.21	125.45	126.58	131.55	129.89	128.88	126.55	124.46	124.29	124.32	124.12	
27	124.78	124.94	126.81	126.58	131.52	129.77	128.78	126.42	124.38	124.18	124.29	124.11	
28	124.87	124.75	128.18	126.55	131.47	129.66	128.68	126.25	124.36	123.90	124.29	124.08	
29	124.88	124.67	128.59	126.43	131.42	129.57	128.58	126.11	124.38	123.71	124.27	124.04	
30	124.76	124.64	128.83	126.28	131.35	129.51	128.52	125.96	124.45	123.63		124.00	
31		124.70		126.19	131.29		128.47		124.49	123.59		123.97	
MEAN	124.71	124.93	125.81	127.16	129.87	130.41	129.29	126.95	125.06	124.31	124.11	124.10	
MAX	124.88	125.22	128.83	129.15	131.57	131.24	129.70	128.44	125.82	124.53	124.39	124.28	131.57
MIN	124.51	124.60	124.91	125.78	126.23	129.51	128.47	125.96	124.36	123.59	123.57	123.97	123.57

ANNUAL MAX MOMENTARY GAGE HEIGHT 131.58 M (MSL), AT 15.00 HOURS, ON AUG 24, 1983
ZERO GAGE AT BOTTOM ELEVATION 122.24 M (MSL), RIVER BED 120.45 M (MSL)
LEFT BANK ELEVATION 133.16 M (MSL)
RIGHT BANK ELEVATION 132.71 M (MSL), DRAINAGE AREA 41594 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	92.7	101.1	120.8	528.0	230.0	834.6	534.0	422.0	174.6	73.4	24.2	59.6	
2	93.4	99.0	124.0	541.2	233.0	820.4	528.0	422.0	168.5	74.9	24.2	59.0	
3	95.5	101.8	125.6	546.0	249.0	807.4	528.0	418.0	169.2	76.6	24.2	58.4	
4	98.3	113.0	130.4	538.8	273.0	792.4	531.6	410.0	172.6	76.6	23.8	58.4	
5	101.1	123.2	136.0	514.8	293.0	771.9	534.0	394.0	171.2	69.8	24.2	60.2	
6	108.1	128.8	144.8	475.6	313.0	753.0	537.6	371.0	165.1	59.6	27.0	60.8	
7	115.1	123.2	160.0	428.3	349.1	739.0	543.6	344.0	152.3	65.6	32.5	58.4	
8	116.5	113.7	176.8	381.0	415.1	721.6	550.8	319.0	140.9	72.2	40.0	54.2	
9	113.0	110.2	184.0	334.0	517.2	701.4	558.0	298.0	135.4	73.4	46.5	49.5	
10	112.3	110.2	191.2	291.0	602.6	685.8	561.6	283.0	135.4	72.8	50.6	47.0	
11	115.1	110.9	195.2	258.0	652.0	670.5	564.0	271.8	135.4	72.2	53.6	46.5	
12	118.6	121.6	198.4	232.0	684.6	663.7	560.4	263.7	135.4	71.6	56.0	46.5	
13	114.4	129.6	201.8	215.3	705.6	657.2	555.6	256.6	133.4	71.0	58.4	46.5	
14	104.6	128.0	202.7	200.9	720.5	655.6	549.6	251.3	131.4	69.8	60.2	46.5	
15	99.7	132.0	200.0	190.4	733.2	655.6	541.2	245.0	128.7	68.6	62.0	45.5	
16	97.6	136.0	193.6	200.0	741.4	655.6	535.2	240.6	125.1	68.0	64.4	45.5	
17	97.6	140.8	177.6	273.0	763.5	654.0	529.2	235.2	121.7	67.4	63.8	45.0	
18	96.9	145.6	163.2	329.0	808.0	652.4	523.2	226.3	114.7	66.2	62.6	44.5	
19	97.6	144.0	153.6	324.0	832.4	650.8	526.8	217.4	107.8	65.0	61.4	44.5	
20	104.6	144.8	152.0	327.0	867.6	647.6	518.4	214.7	103.5	64.4	62.0	44.0	
21	112.3	144.8	158.4	327.0	905.6	643.0	514.8	214.7	103.5	65.0	63.8	46.0	
22	115.8	134.4	163.2	320.0	928.0	637.0	510.0	218.3	103.5	65.0	65.6	47.5	
23	108.8	124.8	163.2	305.0	943.0	631.0	501.6	224.5	98.3	64.4	67.4	50.0	
24	101.1	128.8	157.6	291.0	949.0	617.5	493.2	232.6	89.6	63.8	67.4	52.4	
25	99.7	144.8	151.2	275.0	945.7	604.8	483.2	238.8	80.1	62.6	65.6	52.4	
26	103.2	144.8	164.0	265.0	937.3	587.7	467.8	237.9	71.6	61.4	63.2	51.2	
27	111.6	123.2	288.0	265.0	924.5	572.4	456.8	226.3	66.8	54.8	61.4	50.6	
28	117.9	109.5	433.8	262.0	906.4	559.2	446.0	211.2	65.6	40.0	61.4	49.0	
29	118.6	103.9	478.9	250.0	890.4	548.4	436.0	198.7	66.8	30.5	60.2	47.0	
30	110.2	101.8	507.6	235.0	868.0	541.2	430.0	185.3	71.0	26.5		45.0	
31		106.0		226.1	849.1		425.0		73.4	24.6		43.5	
TOTAL	3191.9	3824.3	5997.6	10149.4	21030.8	20132.7	15975.2	8291.9	3712.5	1957.7	1497.6	1555.1	97316.7 CMSDAY
MEAN	106.4	123.4	199.9	327.4	678.4	671.1	515.3	276.4	119.8	63.2	51.6	50.2	265.9 CMS
MAX	118.6	145.6	507.6	546.0	949.0	834.6	564.0	422.0	174.6	76.6	67.4	60.8	949.0 CMS
MIN	92.7	99.0	120.8	190.4	230.0	541.2	425.0	185.3	65.6	24.6	23.8	43.5	23.8 CMS
RUNOFF	275.78	330.42	518.19	876.91	1817.06	1739.47	1380.26	716.42	320.76	169.15	129.39	134.36	8408.16 MCM

MOMENTARY PEAK 952.00 CMS, AT 131.58 M (MSL), AT 15.00 HOURS, ON AUG 24, 1983

RUNOFF YIELD 6.39 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 22.89 LITERS/SECOND/SQUARE KM

WATER YEAR 1983

CHI RIVER BASIN

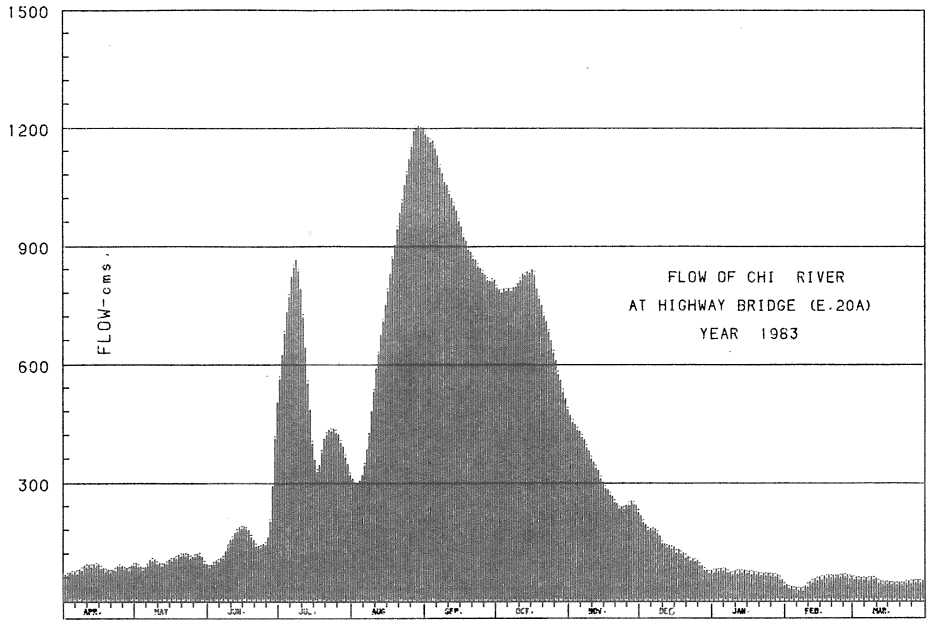
CHI RIVER AT MAHA CHANA CHAI, YASOTHON (E.20A)

LOCATION	LAT. 15°-31′-59″ N., LONG. 104°-15′-24″ E., ON RIGHT BANK ABOUT 800 METERS UPSTREAM FROM E.20 STATION, AMPHOE MAHA CHANA CHAI, YASOTHON.
DRAINAGE AREA	47,818 SQ.KM.
TYPE OF GAGE	WATER-STAGE RECORDER.
ZERO GAGE AT BOTTOM	+112.00 M. (M.S.L.)
BENCH MARK	B.M.-H.D.
LOCATION	ON RIGHT BANK AT THE ABUTMENT OF THE BRIDGE.
ELEVATION	+127.138 M. (M.S.L.)
GAGE READING FREQUENCY	RECORDING.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 24 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1973 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1974 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1974 TO DATE.
STABILITY OF CHANNEL REGIMES	FAIRLY STABLE BECAUSE OF BACKWATER EFFECT.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS GOOD. STAGE-DISCHARGE RELATION DEFINED BY 118 DISCHARGE MEASUREMENTS MADE IN 1983.

GAGE HEIGHT IN METER (MSL), WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	115.41	115.83	115.73	119.86	117.98	122.10	121.04	119.77	117.14	115.58	114.98	115.32	
2	115.45	115.77	115.75	120.21	117.90	122.07	121.00	119.69	117.03	115.60	114.93	115.30	
3	115.49	115.70	115.83	120.53	117.89	122.06	121.00	119.59	116.92	115.61	114.91	115.29	
4	115.52	115.65	115.89	120.76	117.93	122.05	121.01	119.52	116.83	115.62	114.88	115.28	
5	115.53	115.68	115.92	120.95	118.06	122.02	121.01	119.44	116.81	115.63	114.87	115.28	
6	115.56	115.78	115.97	121.12	118.31	121.97	121.01	119.37	116.81	115.63	114.85	115.28	
7	115.60	115.91	116.02	121.23	118.58	121.92	121.01	119.26	116.79	115.57	114.84	115.28	
8	115.65	115.95	116.17	121.28	118.87	121.87	121.02	119.11	116.73	115.49	114.86	115.30	
9	115.73	115.93	116.35	121.24	119.27	121.83	121.05	118.93	116.60	115.49	114.93	115.29	
10	115.76	115.86	116.49	121.14	119.65	121.80	121.06	118.73	116.45	115.54	115.02	115.24	
11	115.76	115.81	116.58	120.96	120.00	121.76	121.11	118.51	116.38	115.56	115.10	115.18	
12	115.76	115.79	116.68	120.69	120.25	121.72	121.15	118.32	116.35	115.57	115.18	115.14	
13	115.78	115.79	116.78	120.31	120.48	121.69	121.16	118.16	116.33	115.57	115.23	115.11	
14	115.80	115.85	116.85	119.87	120.68	121.64	121.17	118.03	116.31	115.56	115.27	115.10	
15	115.78	115.92	116.87	119.22	120.84	121.59	121.18	117.91	116.29	115.54	115.30	115.10	
16	115.72	115.95	116.87	118.59	121.01	121.54	121.19	117.82	116.20	115.53	115.33	115.09	
17	115.65	115.98	116.84	118.18	121.15	121.49	121.17	117.73	116.22	115.53	115.34	115.08	
18	115.62	116.02	116.76	118.27	121.31	121.44	121.14	117.67	116.17	115.51	115.37	115.08	
19	115.60	116.07	116.62	118.56	121.41	121.39	121.09	117.59	116.13	115.50	115.38	115.07	
20	115.58	116.10	116.48	118.77	121.54	121.35	121.03	117.50	116.08	115.48	115.37	115.06	
21	115.58	116.11	116.37	118.88	121.63	121.31	120.97	117.42	116.01	115.46	115.36	115.06	
22	115.64	116.12	116.32	118.93	121.71	121.28	120.91	117.35	115.97	115.45	115.36	115.07	
23	115.71	116.10	116.33	118.95	121.80	121.24	120.84	117.34	115.94	115.45	115.38	115.12	
24	115.76	116.04	116.37	118.95	121.88	121.20	120.75	117.34	115.93	115.45	115.40	115.13	
25	115.72	116.01	116.41	118.93	121.95	121.18	120.66	117.38	115.89	115.44	115.42	115.15	
26	115.68	116.07	116.56	118.85	122.03	121.14	120.56	117.44	115.81	115.43	115.42	115.17	
27	115.65	116.10	117.04	118.74	122.10	121.11	120.44	117.48	115.72	115.42	115.39	115.18	
28	115.67	116.12	117.82	118.63	122.13	121.08	120.32	117.46	115.64	115.40	115.37	115.18	
29	115.73	116.00	118.81	118.47	122.13	121.10	120.19	117.38	115.57	115.33	115.34	115.16	
30	115.80	115.87	119.43	118.29	122.12	121.09	120.05	117.27	115.54	115.19		115.15	
31		115.77		118.11	122.12		119.91		115.55	115.06		115.13	
MEAN	115.66	115.92	116.63	119.60	120.47	121.57	120.88	118.22	116.26	115.49	115.19	115.17	
MAX	115.80	116.12	119.43	121.28	122.13	122.10	121.19	119.77	117.14	115.63	115.42	115.32	122.13
MIN	115.41	115.65	115.73	118.11	117.89	121.08	119.91	117.27	115.54	115.06	114.84	115.06	114.84

ANNUAL MAX MOMENTARY GAGE HEIGHT 122.13 M (MSL), AT 24.00 HOURS, ON AUG 29, 1983
ZERO GAGE AT BOTTOM ELEVATION 112.00 M (MSL), RIVER BED 113.07 M (MSL)
LEFT BANK ELEVATION 126.91 M (MSL)
RIGHT BANK ELEVATION 126.92 M (MSL), DRAINAGE AREA 47818 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	68.7	99.4	91.4	569.0	310.6	1192.0	800.8	471.8	217.4	80.6	42.8	63.2	
2	71.5	94.6	93.0	624.8	301.0	1177.9	790.0	460.8	206.0	82.0	39.8	62.0	
3	74.3	89.0	99.4	684.7	299.9	1173.2	790.0	448.8	195.0	82.7	38.6	61.4	
4	76.4	85.5	104.2	733.2	304.6	1168.5	792.7	440.4	186.7	83.4	36.8	60.8	
5	77.1	87.6	106.6	778.0	320.2	1154.4	792.7	430.8	184.9	84.1	36.2	60.8	
6	79.2	95.4	110.6	822.4	350.3	1130.9	792.7	422.4	184.9	84.1	35.0	60.8	
7	82.0	105.8	114.6	852.4	385.4	1107.4	792.7	410.0	183.1	79.9	34.4	60.8	
8	85.5	109.0	127.3	866.4	425.8	1085.4	795.4	395.9	177.7	74.3	35.6	62.0	
9	91.4	107.4	143.5	843.0	481.8	1068.6	803.5	381.4	166.0	74.3	39.8	61.4	
10	93.8	101.8	156.1	792.0	537.5	1056.0	806.2	367.1	152.5	77.8	45.2	58.4	
11	93.8	97.8	164.2	726.4	590.0	1039.2	819.7	353.6	146.2	79.2	50.0	54.8	
12	93.8	96.2	173.2	643.4	632.0	1022.4	830.5	344.8	143.5	79.9	54.8	52.4	
13	95.4	96.2	182.2	558.8	675.2	1010.0	833.2	332.2	141.7	79.9	57.8	50.6	
14	97.0	101.0	188.5	485.8	715.6	990.0	835.9	316.6	139.9	79.2	60.2	50.0	
15	95.4	106.6	190.3	406.0	751.6	970.0	838.6	302.2	138.1	77.8	62.0	50.0	
16	90.6	109.0	190.3	358.4	792.7	950.0	841.3	292.2	130.0	77.1	63.8	49.4	
17	85.5	111.4	187.6	334.6	830.5	930.6	835.9	282.3	131.8	77.1	64.4	48.8	
18	83.4	114.6	180.4	345.4	874.8	913.6	792.0	275.7	127.3	75.7	66.2	48.8	
19	82.0	118.6	167.8	382.8	903.4	897.2	772.4	266.9	123.7	75.0	66.8	48.2	
20	80.6	121.0	155.2	411.8	950.0	886.0	750.8	257.0	119.4	73.6	66.2	47.6	
21	80.6	121.9	145.3	427.2	986.0	874.8	729.8	248.2	113.8	72.2	65.6	47.6	
22	84.8	122.8	140.8	434.2	1018.2	866.4	709.4	240.5	110.6	71.5	65.6	48.2	
23	89.8	121.0	141.7	437.0	1056.0	855.2	688.0	239.4	108.2	71.5	66.8	51.2	
24	93.8	116.2	145.3	437.0	1089.6	844.0	661.0	239.4	107.4	71.5	68.0	51.8	
25	90.6	113.8	148.9	434.2	1121.5	838.6	635.6	243.8	104.2	70.8	69.4	53.0	
26	87.6	118.6	162.4	423.0	1159.1	827.8	610.4	250.4	97.8	70.1	69.4	54.2	
27	85.5	121.0	207.0	407.6	1192.0	819.7	583.4	254.8	90.6	69.4	67.4	54.8	
28	86.9	122.8	292.2	392.2	1206.4	811.6	560.6	252.6	84.8	68.0	66.2	54.8	
29	91.4	113.0	417.4	371.1	1206.4	817.0	537.3	243.8	79.9	63.8	64.4	53.6	
30	97.0	102.6	504.5	347.8	1201.6	814.3	514.0	231.7	77.8	55.4		53.0	
31		94.6		326.2	1201.6		491.6		78.5	47.6		51.8	
TOTAL	2585.4	3316.2	5231.9	16656.8	23871.3	29292.7	22828.1	9697.5	4249.4	2309.5	1599.2	1686.2	123324.2 CMSDAY
MEAN	86.2	107.0	174.4	537.3	770.0	976.4	736.4	323.3	137.1	74.5	55.1	54.4	337.0 CMS
MAX	97.0	122.8	504.5	866.4	1206.4	1192.0	841.3	471.8	217.4	84.1	69.4	63.2	1206.4 CMS
MIN	68.7	85.5	91.4	326.2	299.9	811.6	491.6	231.7	77.8	47.6	34.4	47.6	34.4 CMS
RUNOFF	223.38	286.52	452.04	1439.15	2062.48	2530.89	1972.35	837.86	367.15	199.54	138.17	145.69	10655.21 MCM

MOMENTARY PEAK 1206.40 CMS, AT 122.13 M (MSL), AT 24.00 HOURS, ON AUG 29, 1983
RUNOFF YIELD 7.05 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 25.23 LITERS/SECOND/SQUARE KM

WATER YEAR 1983

CHI RIVER BASIN

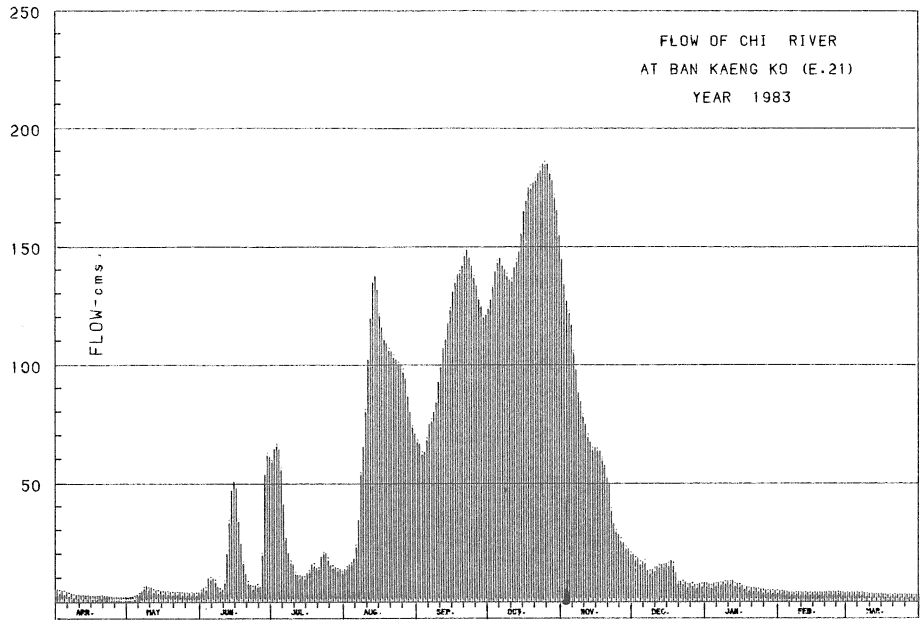
CHI RIVER AT BAN KAENG KO, CHAIYAPHUM (E.21)

LOCATION	LAT. 15°-45'-07" N., LONG. 102°-15'-24" E., ON LEFT BANK ABOUT 75 METERS UPSTREAM FROM THE BRIDGE ON HIGHWAY, AMPHOE MUANG, CHAIYAPHUM.
DRAINAGE AREA	8,912 SQ.KM.
TYPE OF GAGE	WATER-STAGE RECORDER.
ZERO GAGE AT BOTTOM	+0.00 M. (A.D.)
BENCH MARK	B.M.-H.D.
LOCATION	INFRONT OF THE AUTOMATIC GAGE BUILDING.
ELEVATION	+9.433 M. (A.D.)
GAGE READING FREQUENCY	RECORDING.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 24 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1955-1957, 1967 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1968-1971, 1973-1974, 1982 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1968-1971, 1973-1974, 1982 TO DATE.
STABILITY OF CHANNEL REGIMES	FAIRLY STABLE.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS GOOD. STAGE-DISCHARGE RELATION DEFINED BY 27 DISCHARGE MEASUREMENTS MADE IN 1983.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	1.43	1.20	1.41	2.80	1.72	3.22	4.98	5.47	1.88	1.53	1.38	1.33	
2	1.41	1.20	1.45	3.03	1.75	3.13	5.05	5.25	1.85	1.52	1.38	1.32	
3	1.40	1.22	1.47	3.14	1.77	2.97	5.20	5.04	1.84	1.51	1.37	1.33	
4	1.39	1.24	1.60	3.02	1.79	2.96	5.35	4.94	1.81	1.53	1.35	1.34	
5	1.36	1.28	1.62	2.64	1.83	3.25	5.46	4.77	1.80	1.53	1.34	1.34	
6	1.34	1.32	1.60	2.24	1.96	3.48	5.48	4.46	1.82	1.54	1.33	1.33	
7	1.31	1.37	1.58	2.02	2.15	3.57	5.43	4.23	1.71	1.54	1.33	1.33	
8	1.29	1.47	1.47	1.89	2.53	3.67	5.37	3.99	1.71	1.55	1.34	1.32	
9	1.27	1.49	1.44	1.81	3.07	3.84	5.33	3.82	1.72	1.56	1.35	1.30	
10	1.27	1.46	1.41	1.77	3.71	4.08	5.26	3.65	1.74	1.56	1.33	1.30	
11	1.26	1.46	1.57	1.69	4.35	4.29	5.28	3.48	1.75	1.56	1.33	1.29	
12	1.26	1.42	1.88	1.65	4.89	4.49	5.39	3.32	1.77	1.57	1.34	1.28	
13	1.26	1.40	2.15	1.64	5.24	4.62	5.47	3.17	1.77	1.53	1.33	1.28	
14	1.25	1.40	2.31	1.63	5.33	4.79	5.54	3.06	1.77	1.53	1.33	1.29	
15	1.24	1.38	2.36	1.63	5.16	4.97	5.73	3.05	1.78	1.52	1.33	1.29	
16	1.24	1.37	2.32	1.67	4.91	5.14	5.92	3.04	1.79	1.50	1.33	1.28	
17	1.24	1.37	2.16	1.71	4.74	5.26	6.04	2.98	1.81	1.49	1.33	1.27	
18	1.24	1.37	1.97	1.77	4.62	5.32	6.14	2.85	1.79	1.47	1.33	1.27	
19	1.25	1.36	1.80	1.78	4.55	5.36	6.16	2.68	1.68	1.45	1.33	1.27	
20	1.26	1.35	1.66	1.73	4.49	5.41	6.18	2.48	1.56	1.45	1.33	1.27	
21	1.24	1.35	1.56	1.74	4.45	5.52	6.22	2.34	1.56	1.45	1.34	1.28	
22	1.23	1.35	1.51	1.85	4.41	5.56	6.26	2.22	1.57	1.44	1.35	1.27	
23	1.22	1.36	1.49	1.90	4.35	5.51	6.31	2.13	1.55	1.43	1.35	1.27	
24	1.21	1.34	1.50	1.89	4.32	5.41	6.34	2.09	1.52	1.42	1.35	1.27	
25	1.20	1.34	1.52	1.84	4.29	5.31	6.36	2.05	1.53	1.41	1.35	1.27	
26	1.20	1.33	1.47	1.76	4.24	5.20	6.34	2.02	1.54	1.40	1.35	1.27	
27	1.20	1.33	1.89	1.76	4.12	5.09	6.28	1.98	1.51	1.40	1.35	1.27	
28	1.20	1.34	2.48	1.74	3.93	4.98	6.20	1.95	1.51	1.40	1.33	1.27	
29	1.20	1.33	2.95	1.73	3.67	4.89	6.08	1.93	1.53	1.40	1.32	1.26	
30	1.20	1.33	2.87	1.72	3.47	4.89	5.93	1.90	1.53	1.39		1.27	
31		1.34		1.70	3.32		5.72		1.54	1.39		1.27	
MEAN	1.27	1.35	1.82	1.96	3.71	4.54	5.77	3.21	1.69	1.48	1.34	1.29	
MAX	1.43	1.49	2.95	3.14	5.33	5.56	6.36	5.47	1.88	1.57	1.38	1.34	6.36
MIN	1.20	1.20	1.41	1.63	1.72	2.96	4.98	1.90	1.51	1.39	1.32	1.26	1.20

ANNUAL MAX MOMENTARY GAGE HEIGHT 6.37 M (A.D), AT 16.00 HOURS, ON OCT 25, 1983
ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D), RIVER BED -1.49 M (A.D)
LEFT BANK ELEVATION 12.40 M (A.D)
RIGHT BANK ELEVATION 12.17 M (A.D), DRAINAGE AREA 8912 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	5.60	2.00	5.20	60.00	13.80	68.50	124.70	144.65	20.20	7.90	4.70	3.95	
2	5.20	2.00	6.00	64.60	15.00	66.60	127.50	135.50	19.00	7.60	4.70	3.80	
3	5.00	2.30	6.40	66.80	15.80	63.40	133.50	127.10	18.60	7.30	4.55	3.95	
4	4.85	2.60	10.00	64.40	16.60	63.20	139.50	123.10	17.40	7.90	4.25	4.10	
5	4.40	3.20	10.60	56.80	18.20	69.25	144.20	116.95	17.00	7.90	4.10	4.10	
6	4.10	3.80	10.00	41.20	24.00	75.00	145.10	106.10	17.80	8.20	3.95	3.95	
7	3.65	4.55	9.40	27.00	34.50	77.25	142.85	98.05	13.40	8.20	3.95	3.95	
8	3.35	6.40	6.40	20.60	54.60	80.10	140.30	89.70	13.40	8.50	4.10	3.80	
9	3.05	6.80	5.80	17.40	65.40	85.20	138.70	84.60	13.80	8.80	4.25	3.50	
10	3.05	6.20	5.20	15.80	81.30	92.80	135.90	79.50	14.60	8.80	3.95	3.50	
11	2.90	6.20	9.10	12.70	102.25	100.15	136.70	75.00	15.00	8.80	3.95	3.35	
12	2.90	5.40	20.20	11.50	121.15	107.15	141.10	71.00	15.80	9.10	4.10	3.20	
13	2.90	5.00	34.50	11.20	135.10	111.70	144.65	67.40	15.80	7.90	3.95	3.20	
14	2.75	5.00	47.00	10.90	138.70	117.65	147.80	65.20	15.80	7.90	3.95	3.35	
15	2.60	4.70	52.00	10.90	131.90	124.30	156.35	65.00	16.20	7.60	3.95	3.35	
16	2.60	4.55	48.00	12.10	121.90	131.10	164.90	64.80	16.60	7.00	3.95	3.20	
17	2.60	4.55	35.20	13.40	115.90	135.90	170.30	63.60	17.40	6.80	3.95	3.05	
18	2.60	4.55	24.50	15.80	111.70	138.30	175.00	61.00	16.60	6.40	3.95	3.05	
19	2.75	4.40	17.00	16.20	109.25	139.90	176.00	57.60	12.40	6.00	3.95	3.05	
20	2.90	4.25	11.80	14.20	107.15	141.95	177.00	53.80	8.80	6.00	3.95	3.05	
21	2.60	4.25	8.80	14.60	105.75	146.90	179.00	50.00	8.80	6.00	4.10	3.20	
22	2.45	4.25	7.30	19.00	104.35	148.70	181.00	39.60	9.10	5.80	4.25	3.05	
23	2.30	4.40	6.80	21.00	102.25	146.45	183.50	33.10	8.50	5.60	4.25	3.05	
24	2.15	4.10	7.00	20.60	101.20	141.95	185.00	30.50	7.60	5.40	4.25	3.05	
25	2.00	4.10	7.60	18.60	100.15	137.90	186.00	28.50	7.90	5.20	4.25	3.05	
26	2.00	3.95	6.40	15.40	98.40	133.50	185.00	27.00	8.20	5.00	4.25	3.05	
27	2.00	3.95	20.60	15.40	94.20	129.10	182.00	25.00	7.30	5.00	4.25	3.05	
28	2.00	4.10	53.80	14.60	87.90	124.70	178.00	23.50	7.30	5.00	3.95	3.05	
29	2.00	3.95	63.00	14.20	80.10	121.15	172.10	22.50	7.90	5.00	3.80	2.90	
30	2.00	3.95	61.40	13.80	74.75	121.15	165.35	21.00	7.90	4.85		3.05	
31		4.10		13.00	71.00		155.90		8.20	4.85		3.05	
TOTAL	91.25	133.55	617.00	743.70	2554.25	3340.90	4914.90	2050.35	404.30	212.30	119.50	104.00	15286.00 CMSDAY
MEAN	3.04	4.31	20.57	23.99	82.40	111.36	158.55	68.35	13.04	6.85	4.12	3.35	41.77 CMS
MAX	5.60	6.80	63.00	66.80	138.70	148.70	186.00	144.65	20.20	9.10	4.70	4.10	186.00 CMS
MIN	2.00	2.00	5.20	10.90	13.80	63.20	124.70	21.00	7.30	4.85	3.80	2.90	2.00 CMS
RUNOFF	7.884	11.539	53.309	64.256	220.687	288.654	424.647	177.150	34.932	18.343	10.325	8.986	1320.711 MCM

MOMENTARY PEAK 186.50 CMS, AT 6.37 M (A.D), AT 16.00 HOURS, ON OCT 25, 1983

RUNOFF YIELD 4.69 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 20.93 LITERS/SECOND/SQUARE KM

WATER YEAR 1983

CHI RIVER BASIN

LAM NAM PHONG AT BAN NONG WAI, KHON KAEN (E.22A)

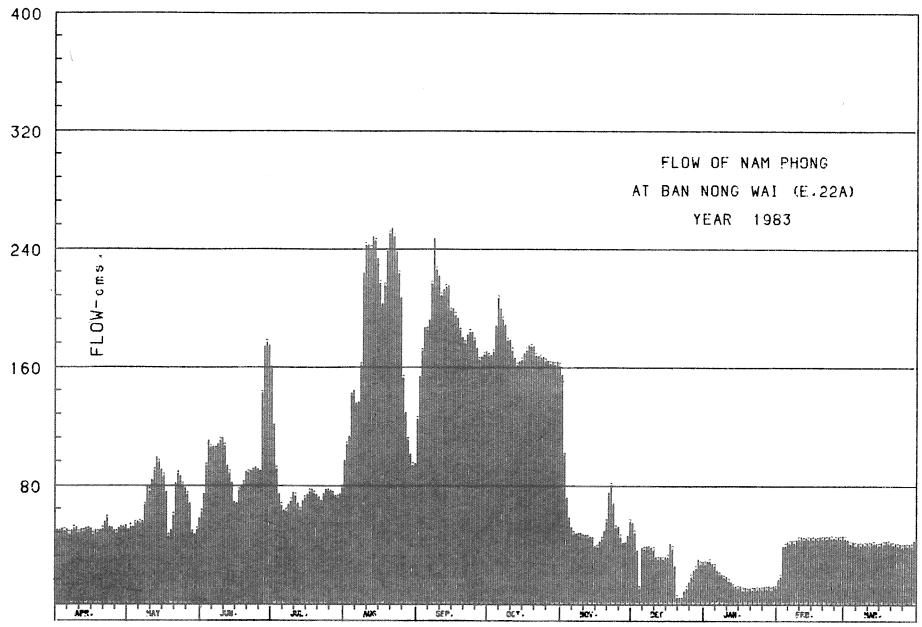
LOCATION — LAT. 16°-43-29" N., LONG. 102°-48-21" E., ON LEFT BANK ABOUT 500 METERS DOWNSTREAM FROM THE BRIDGE OF KHON KAEN-UDON THANI HIGHWAY, AMPHOE NAM PHONG, KHON KAEN.

DRAINAGE AREA	13,183 SQ.KM.
TYPE OF GAGE	WATER-STAGE RECORDER.
ZERO GAGE AT BOTTOM	+150.92 M.(M.S.L.).
BENCH MARK	B.M.-H.D.
LOCATION	NEAR THE AUTOMATIC GAGE BUILDING.
ELEVATION	+161.766 M.(M.S.L.).
GAGE READING FREQUENCY	RECORDING.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHEMETIC MEAN OF 24 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1965 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1966-1976, 1982 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1966-1976, 1982 TO DATE.
STABILITY OF CHANNEL REGIMES	FARILY STABLE.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS GOOD. FLOW REGULATED BY UBONRAT DAM ABOVE GAGE SITES. STAGE-DISCHARGE RELATION DEFINED BY 29 DISCHARGE MEASUREMENTS MADE IN 1983.

GAGE HEIGHT IN METER (MSL), WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	154.77	154.78	155.29	157.54	156.26	156.92	157.69	157.45	154.98	153.94	153.81	154.52	
2	154.75	154.95	155.64	156.82	156.56	157.43	157.67	156.39	154.74	153.94	153.86	154.37	
3	154.80	154.86	156.21	156.16	156.65	157.74	157.73	155.57	153.99	153.95	154.08	154.30	
4	154.81	155.02	156.59	155.64	157.23	157.98	158.00	155.11	153.72	153.93	154.20	154.28	
5	154.78	155.01	156.52	155.44	157.27	157.98	158.31	154.85	154.01	153.93	154.28	154.24	
6	154.71	155.04	156.50	155.28	157.10	158.06	158.18	154.71	154.05	153.90	154.31	154.23	
7	154.74	155.03	156.49	155.31	157.12	158.46	158.09	154.64	154.08	153.88	154.34	154.22	
8	154.89	155.44	156.54	155.41	157.58	158.90	158.01	154.64	154.08	153.86	154.33	154.21	
9	154.85	155.78	156.63	155.55	158.55	158.61	157.86	154.66	154.03	153.85	154.37	154.24	
10	154.73	155.76	156.63	155.67	158.86	158.52	157.84	154.60	154.05	153.84	154.49	154.25	
11	154.78	155.91	156.54	155.65	158.84	158.34	157.75	154.60	153.96	153.82	154.51	154.26	
12	154.78	156.13	156.18	155.44	158.83	158.38	157.64	154.58	153.96	153.78	154.47	154.26	
13	154.83	156.32	156.09	155.33	158.92	158.43	157.58	154.51	153.96	153.75	154.46	154.29	
14	154.84	156.27	155.86	155.49	158.90	158.42	157.60	154.48	153.96	153.72	154.49	154.21	
15	154.81	156.11	155.46	155.60	158.70	158.18	157.64	154.09	153.96	153.72	154.48	154.21	
16	154.68	156.03	155.44	155.63	158.47	158.18	157.69	154.14	153.97	153.72	154.48	154.25	
17	154.76	155.68	155.74	155.73	158.23	158.14	157.75	154.30	154.20	153.70	154.46	154.28	
18	154.74	154.62	155.78	155.73	158.44	158.08	157.78	154.50	154.09	153.70	154.47	154.32	
19	154.76	154.76	155.88	155.69	158.78	157.97	157.79	154.73	153.92	153.67	154.50	154.32	
20	154.87	155.22	156.07	155.63	158.97	157.87	157.77	155.07	153.51	153.68	154.51	154.26	
21	155.01	155.85	156.09	155.57	159.00	157.83	157.69	155.67	153.43	153.69	154.52	154.24	
22	155.16	156.07	156.09	155.50	158.94	157.90	157.66	155.85	153.42	153.70	154.51	154.21	
23	154.86	155.99	156.12	155.64	158.77	157.96	157.67	155.44	153.61	153.70	154.52	154.19	
24	154.83	155.85	156.15	155.73	158.57	157.93	157.65	154.91	153.72	153.70	154.54	154.18	
25	154.75	155.75	156.11	155.73	158.29	157.86	157.63	154.87	153.78	153.70	154.46	154.15	
26	154.74	155.67	156.09	155.71	157.44	157.75	157.61	154.60	153.86	153.71	154.51	154.18	
27	154.83	155.44	157.26	155.68	156.98	157.64	157.60	154.24	153.90	153.71	154.52	154.18	
28	154.87	154.73	157.77	155.61	156.63	157.65	157.60	154.24	153.92	153.72	154.52	154.19	
29	154.87	154.61	157.84	155.61	156.37	157.70	157.59	154.56	153.95	153.70	154.55	154.19	
30	154.90	154.84	157.78	155.64	156.22	157.71	157.60	155.07	153.94	153.72		154.33	
31		155.10		155.80	156.21		157.58		153.94	153.72		154.40	
MEAN	154.82	155.44	156.31	155.71	157.86	158.02	157.75	154.90	153.96	153.78	154.40	154.26	
MAX	155.16	156.32	157.84	157.54	159.00	158.90	158.31	157.45	154.98	153.95	154.55	154.52	159.00
MIN	154.68	154.61	155.29	155.28	156.21	156.92	157.58	154.09	153.42	153.67	153.81	154.15	153.42

ANNUAL MAX MOMENTARY GAGE HEIGHT 159.07 M (MSL), AT 6.00 HOURS, ON SEP 8, 1983
ZERO GAGE AT BOTTOM ELEVATION 150.92 M (MSL), RIVER BED 150.64 M (MSL)
LEFT BANK ELEVATION 166.22 M (MSL)
RIGHT BANK ELEVATION 166.24 M (MSL), DRAINAGE AREA 13183 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	50.40	50.60	63.70	160.40	96.90	126.50	169.40	155.00	55.00	29.00	16.70	45.80	
2	50.00	54.25	74.40	121.50	109.20	153.80	168.20	102.10	49.80	29.00	20.20	43.55	
3	51.00	52.20	94.90	92.90	113.25	172.40	171.80	72.10	36.50	30.50	39.20	42.50	
4	51.20	56.00	110.55	74.40	142.15	186.80	188.00	58.30	12.40	27.50	41.00	42.20	
5	50.60	55.75	107.40	68.20	144.35	186.80	208.15	52.00	38.15	27.50	42.20	41.60	
6	49.20	56.50	106.50	63.40	135.50	191.90	199.70	49.20	38.75	23.00	42.65	41.45	
7	49.80	56.25	106.10	64.30	136.50	217.90	193.85	47.80	39.20	21.60	43.10	41.30	
8	52.80	68.20	108.30	67.30	162.80	247.00	188.65	47.80	39.20	20.20	42.95	41.15	
9	52.00	79.30	112.35	71.50	223.75	227.65	179.60	48.20	38.45	19.50	43.55	41.60	
10	49.60	78.60	112.35	75.45	244.20	221.80	178.40	47.00	38.75	18.80	45.35	41.75	
11	50.60	83.85	108.30	74.75	242.80	210.10	173.00	47.00	32.00	17.40	45.65	41.90	
12	50.60	91.70	93.70	68.20	242.10	212.70	166.40	46.70	32.00	15.10	45.05	41.90	
13	51.60	99.30	90.15	64.90	248.40	215.95	162.80	45.65	32.00	13.75	44.90	42.35	
14	51.80	97.30	82.10	69.70	247.00	215.30	164.00	45.20	32.00	12.40	45.35	41.15	
15	51.20	90.90	68.80	73.00	233.50	199.70	166.40	39.35	32.00	12.40	45.20	41.15	
16	48.60	88.05	68.20	74.05	218.55	199.70	169.40	40.10	33.50	12.40	45.20	41.75	
17	50.20	75.80	77.90	77.55	202.95	197.10	173.00	42.50	41.00	11.50	44.90	42.20	
18	49.80	47.40	79.30	77.55	216.60	193.20	174.80	45.50	39.35	11.50	45.05	42.80	
19	50.20	50.20	82.80	76.15	238.70	186.20	175.40	49.60	26.00	10.66	45.50	42.80	
20	52.40	61.60	89.45	74.05	251.90	180.20	174.20	57.25	6.45	10.94	45.65	41.90	
21	55.75	81.75	90.15	72.10	254.00	177.80	169.40	75.45	4.66	11.22	45.80	41.60	
22	59.80	89.45	90.15	70.00	249.80	182.00	167.60	81.75	4.44	11.50	45.65	41.15	
23	52.20	86.65	91.30	74.40	238.05	185.60	168.20	68.20	8.98	11.50	45.80	40.85	
24	51.60	81.75	92.50	77.55	225.05	183.80	167.00	53.25	12.40	11.50	46.10	40.70	
25	50.00	78.25	90.90	77.55	206.85	179.60	165.80	52.40	15.10	11.50	44.90	40.25	
26	49.80	75.45	90.15	76.85	154.40	173.00	164.60	47.00	20.20	11.95	45.65	40.70	
27	51.60	68.20	143.80	75.80	129.50	166.40	164.00	41.60	23.00	11.95	45.80	40.70	
28	52.40	49.60	174.20	73.35	112.35	167.00	164.00	41.60	26.00	12.40	45.80	40.85	
29	52.40	47.20	178.40	73.35	101.30	170.00	163.40	46.40	30.50	11.50	46.25	40.85	
30	53.00	51.80	174.80	74.40	95.30	170.60	164.00	57.25	29.00	12.40		42.95	
31		58.00		80.00	94.90		162.80		29.00	12.40		44.00	
TOTAL	1542.15	2161.85	3053.60	2414.60	5712.60	5698.50	5365.95	1703.25	895.78	504.47	1241.10	1297.40	31591.25 CMSDAY
MEAN	51.41	69.74	101.79	77.89	184.28	189.95	173.10	56.77	28.90	16.27	42.80	41.85	86.31 CMS
MAX	59.80	99.30	178.40	160.40	254.00	247.00	208.15	155.00	55.00	30.50	46.25	45.80	254.00 CMS
MIN	48.60	47.20	63.70	63.40	94.90	126.50	162.80	39.35	4.44	10.66	16.70	40.25	4.44 CMS
RUNOFF	133.242	186.784	263.831	208.621	493.569	492.350	463.618	147.161	77.395	43.586	107.231	112.095	2729.484 MCM

MOMENTARY PEAK 258.90 CMS, AT 159.07 M (MSL), AT 6.00 HOURS, ON SEP 8, 1983

RUNOFF YIELD 6.55 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 19.64 LITERS/SECOND/SQUARE KM

WATER YEAR 1983

CHI RIVER BASIN

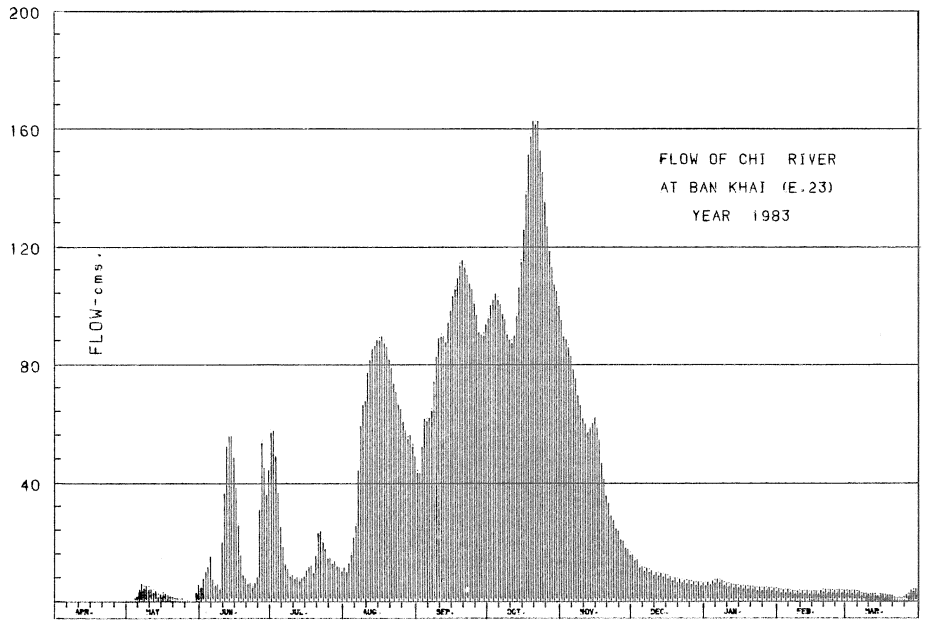
CHI RIVER AT BAN KHAI, CHAIYAPHUM (E.23)

LOCATION	LAT. 15°-40'-49" N., LONG. 102°-00'-47" E., ON LEFT BANK AT THE BRIDGE ON HIGHWAY, AMPHOE MUANG, CHAIYAPHUM.
DRAINAGE AREA	6,835 SQ.KM.
TYPE OF GAGE	WATER-STAGE RECORDER.
ZERO GAGE AT BOTTOM	+174.00 M. (M.S.L.)
BENCH MARK	B.M.-H.D.
LOCATION	NEAR AUTOMATIC GAGE BUILDING.
ELEVATION	+181.926 M. (M.S.L.)
GAGE READING FREQUENCY	RECORDING.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 24 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1954-1956, 1967 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1968-1974,1982 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1968-1974,1982 TO DATE.
STABILITY OF CHANNEL REGIMES	STABLE.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS GOOD. STAGE-DISCHARGE RELATION DEFINED BY 32 DISCHARGE MEASUREMENTS MADE IN 1983.

GAGE HEIGHT IN METER (MSL), WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	174.98	174.96	175.85	179.50	176.36	178.82	181.01	180.97	176.72	175.96	175.74	175.64	
2	174.95	174.98	176.06	179.49	176.32	178.75	181.10	180.84	176.65	175.97	175.69	175.64	
3	174.95	174.98	176.31	179.10	176.47	179.25	181.17	180.78	176.59	175.98	175.68	175.64	
4	174.92	175.12	176.37	178.31	176.78	179.69	181.20	180.72	176.45	176.01	175.69	175.66	
5	174.89	175.29	176.74	177.54	177.17	179.70	181.17	180.59	176.40	176.04	175.70	175.62	
6	174.90	175.67	176.04	176.92	177.55	179.70	181.11	180.45	176.37	176.06	175.68	175.61	
7	174.97	175.90	175.95	176.52	178.81	179.86	181.05	180.29	176.36	176.05	175.65	175.52	
8	174.96	175.83	175.88	176.32	179.62	180.25	180.98	180.10	176.33	176.02	175.63	175.51	
9	174.95	175.83	175.83	176.20	179.92	180.62	180.86	179.91	176.29	175.97	175.62	175.49	
10	174.91	175.81	177.04	176.16	180.03	180.80	180.78	179.74	176.25	175.94	175.65	175.47	
11	174.92	175.68	178.36	176.15	180.37	180.84	180.78	179.60	176.24	175.93	175.64	175.47	
12	174.98	175.68	179.22	176.10	180.58	180.82	180.82	179.50	176.24	175.91	175.64	175.51	
13	174.98	175.61	179.44	176.08	180.68	180.79	181.03	179.53	176.22	175.88	175.65	175.49	
14	174.95	175.48	179.40	176.07	180.75	180.95	181.25	179.66	176.21	175.88	175.61	175.38	
15	174.94	175.45	179.09	176.20	180.78	181.08	181.47	179.71	176.20	175.87	175.61	175.49	
16	174.91	175.53	178.43	176.28	180.81	181.18	181.66	179.58	176.16	175.86	175.62	175.48	
17	174.90	175.48	177.57	176.45	180.82	181.26	181.84	179.33	176.13	175.85	175.62	175.45	
18	174.88	175.40	176.69	176.41	180.78	181.33	181.96	178.99	176.11	175.84	175.62	175.43	
19	174.85	175.34	176.23	176.29	180.70	181.45	182.01	178.62	176.10	175.84	175.64	175.43	
20	174.83	175.28	176.07	176.67	180.59	181.47	182.03	178.32	176.08	175.83	175.69	175.42	
21	174.83	175.23	176.01	177.36	180.44	181.44	182.03	178.09	176.06	175.82	175.70	175.29	
22	174.83	175.18	175.93	177.34	180.26	181.36	182.03	177.85	176.05	175.79	175.68	175.23	
23	174.84	175.17	175.89	177.12	180.11	181.31	181.98	177.65	176.03	175.78	175.68	175.26	
24	174.81	175.14	175.93	176.86	179.97	181.24	181.91	177.50	176.03	175.79	175.66	175.25	
25	174.84	175.07	176.17	176.68	179.85	181.14	181.81	177.36	176.03	175.78	175.65	175.31	
26	174.89	175.07	177.92	176.62	179.68	181.02	181.68	177.20	176.01	175.79	175.66	175.44	
27	174.92	175.06	179.33	176.55	179.49	180.88	181.55	177.09	175.99	175.79	175.69	175.50	
28	174.93	175.06	178.86	176.53	179.39	180.83	181.42	176.98	175.98	175.78	175.67	175.65	
29	174.95	175.14	178.33	176.48	179.41	180.85	181.30	176.87	175.98	175.77	175.66	175.70	
30	174.95	175.62	178.82	176.37	179.26	180.93	181.22	176.79	175.96	175.75		175.71	
31		175.86		176.35	179.05		181.12		175.95	175.74		175.68	
MEAN	174.91	175.38	177.19	176.87	179.45	180.65	181.40	179.02	176.20	175.88	175.66	175.50	
MAX	174.98	175.90	179.44	179.50	180.82	181.47	182.03	180.97	176.72	176.06	175.74	175.71	182.03
MIN	174.81	174.96	175.83	176.07	176.32	178.75	180.78	176.79	175.95	175.74	175.61	175.23	174.81

ANNUAL MAX MOMENTARY GAGE HEIGHT 182.04 M (MSL), AT 18.00 HOURS, ON OCT 20, 1983
ZERO GAGE AT BOTTOM ELEVATION 174.00 M (MSL), RIVER BED 174.65 M (MSL)
LEFT BANK ELEVATION 183.23 M (MSL)
RIGHT BANK ELEVATION 183.37 M (MSL), DRAINAGE AREA 6835 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.46	0.42	5.50	58.00	11.50	44.40	96.40	94.95	16.00	6.60	4.55	3.80	
2	0.40	0.46	7.75	57.80	11.00	43.25	100.00	90.40	15.12	6.70	4.18	3.80	
3	0.40	0.46	10.87	50.00	12.88	53.00	102.80	88.40	14.37	6.80	4.10	3.80	
4	0.34	0.80	11.62	36.65	16.75	61.80	104.00	86.60	12.62	7.12	4.18	3.95	
5	0.29	1.45	16.25	26.25	21.62	62.00	102.80	82.75	12.00	7.50	4.25	3.65	
6	0.30	4.02	7.50	18.50	26.38	62.00	100.40	79.25	11.62	7.75	4.10	3.58	
7	0.44	6.00	6.50	13.50	44.20	65.20	98.00	75.25	11.50	7.63	3.87	2.90	
8	0.42	5.30	5.80	11.00	60.40	74.25	95.30	70.50	11.13	7.25	3.73	2.82	
9	0.40	5.30	5.30	9.50	66.40	83.60	91.10	66.20	10.62	6.70	3.65	2.68	
10	0.32	5.10	20.00	9.00	68.75	89.00	88.40	62.80	10.13	6.40	3.87	2.53	
11	0.34	4.10	37.40	8.87	77.25	90.40	88.40	60.00	10.00	6.30	3.80	2.53	
12	0.46	4.10	52.40	8.25	82.50	89.70	89.70	58.00	10.00	6.10	3.80	2.82	
13	0.46	3.58	56.80	8.00	85.40	88.70	97.20	58.60	9.75	5.80	3.87	2.68	
14	0.40	2.60	56.00	7.88	87.50	94.25	106.00	61.20	9.63	5.80	3.58	1.90	
15	0.38	2.38	49.80	9.50	88.40	99.20	115.50	62.20	9.50	5.70	3.58	2.68	
16	0.32	2.98	38.45	10.50	89.35	103.20	125.60	59.60	9.00	5.60	3.65	2.60	
17	0.30	2.60	26.63	12.62	89.70	106.40	138.60	54.60	8.63	5.50	3.65	2.38	
18	0.28	2.00	15.63	12.13	88.40	109.20	151.20	47.80	8.38	5.40	3.65	2.22	
19	0.25	1.70	9.87	10.62	86.00	114.50	158.20	41.30	8.25	5.40	3.80	2.22	
20	0.23	1.40	7.88	15.37	82.75	115.50	162.60	36.80	8.00	5.30	4.18	2.15	
21	0.23	1.15	7.12	24.00	79.00	114.00	162.60	33.35	7.75	5.20	4.25	1.45	
22	0.23	0.95	6.30	23.75	74.50	110.40	162.60	30.13	7.63	4.92	4.10	1.15	
23	0.24	0.93	5.90	21.00	70.75	108.40	153.60	27.62	7.37	4.85	4.10	1.30	
24	0.21	0.85	6.30	17.75	67.40	105.60	145.20	25.75	7.37	4.92	3.95	1.25	
25	0.24	0.68	9.12	15.50	65.00	101.60	135.90	24.00	7.37	4.85	3.87	1.55	
26	0.29	0.68	31.00	14.75	61.60	96.80	126.80	22.00	7.12	4.92	3.95	2.30	
27	0.34	0.65	54.60	13.88	57.80	91.80	119.50	20.62	6.90	4.92	4.18	2.75	
28	0.36	0.65	45.20	13.62	55.80	90.05	113.00	19.25	6.80	4.85	4.02	3.87	
29	0.40	0.85	36.95	13.00	56.20	90.75	108.00	17.87	6.80	4.78	3.95	4.25	
30	0.40	3.65	44.40	11.62	53.20	93.55	104.80	16.87	6.60	4.62		4.33	
31		5.60		11.38	49.00		100.80		6.50	4.55		4.10	
TOTAL	10.13	73.39	694.84	574.19	1887.38	2652.50	3645.00	1574.66	294.46	180.73	114.41	85.99	11787.68 CMSDAY
MEAN	0.34	2.37	23.16	18.52	60.88	88.42	117.58	52.49	9.50	5.83	3.95	2.77	32.21 CMS
MAX	0.46	6.00	56.80	58.00	89.70	115.50	162.60	94.95	16.00	7.75	4.55	4.33	162.60 CMS
MIN	0.21	0.42	5.30	7.88	11.00	43.25	88.40	16.87	6.50	4.55	3.58	1.15	0.21 CMS
RUNOFF	0.875	6.341	60.034	49.610	163.070	229.176	314.928	136.051	25.441	15.615	9.885	7.430	1018.456 MCM

MOMENTARY PEAK 164.80 CMS, AT 182.04 M (MSL), AT 18.00 HOURS, ON OCT 20, 1983

RUNOFF YIELD 4.71 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 24.11 LITERS/SECOND/SQUARE KM

WATER YEAR 1983

CHI RIVER BASIN

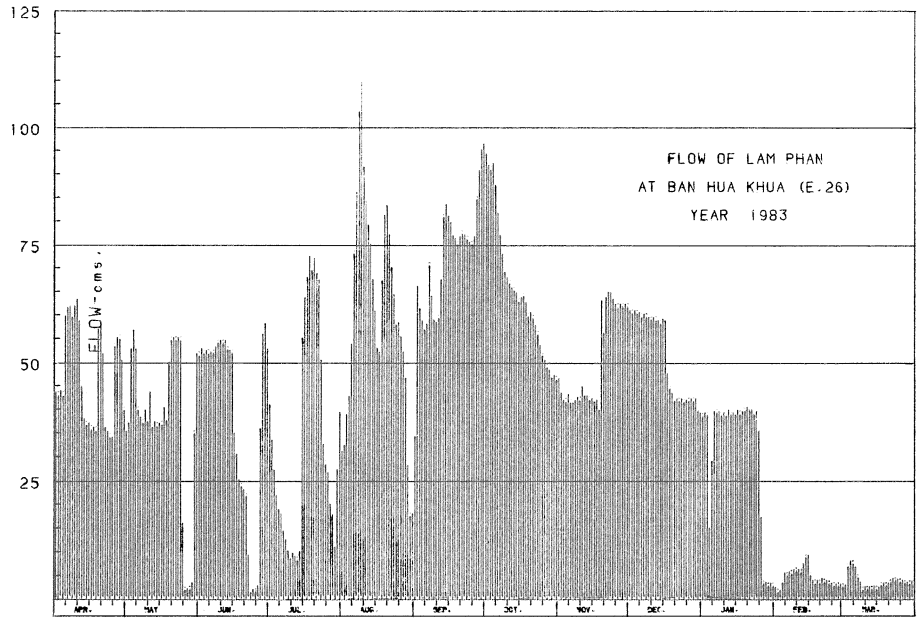
LAM PHAN AT BAN HUA KHUA, KALASIN (E.26)

LOCATION	LAT. 16°-24'-36" N., LONG. 103°-28'-15" E., ON RIGHT BANK AT THE BRIDGE ON THE ROAD, AMPHOE YANG TALAT, KALASIN.
DRAINAGE AREA	6,565 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM	+134.633 M.(M.S.L.)
BENCH MARK	B.M.-H.D.
LOCATION	ON RIGHT BANK UPSTREAM SIDE AT THE ABUTMENT OF THE BRIDGE.
ELEVATION	+145.395 M.(M.S.L.)
GAGE READING FREQUENCY	5-TIME DAILY READINGS AT 06.00, 09.00, 12.00, 15.00 AND 18.00 HOURS.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 5 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1954 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1971-1976, 1982 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1971-1976, 1982 TO DATE.
STABILITY OF CHANNEL REGIMES	STABLE.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS GOOD. FLOW REGULATED BY LAM PAO DAM. STAGE-DISCHARGE RELATION DEFINED BY 32 DISCHARGE MEASUREMENTS MADE IN 1983.

GAGE HEIGHT IN METER (MSL), WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	136.20	135.92	136.44	136.13	135.78	135.90	137.61	136.28	136.69	136.04	134.68	134.72	
2	136.20	136.00	136.46	135.86	135.85	136.84	137.53	136.21	136.69	136.05	134.65	134.71	
3	136.21	136.46	136.45	135.67	136.04	136.72	137.52	136.14	136.69	136.05	134.64	134.90	
4	136.20	136.59	136.45	135.47	136.19	136.63	137.54	136.15	136.69	135.21	134.76	134.93	
5	136.66	136.46	136.45	135.39	136.49	136.59	137.43	136.18	136.68	135.73	134.83	134.93	
6	136.73	136.09	136.44	135.33	137.05	136.61	137.26	136.14	136.67	136.06	134.83	134.88	
7	136.72	136.02	136.45	135.21	137.38	136.98	137.15	136.12	136.67	136.07	134.84	134.81	
8	136.67	136.00	136.47	135.11	137.85	136.78	137.03	136.16	136.67	136.06	134.85	134.74	
9	136.72	136.07	136.51	135.04	138.00	136.65	136.94	136.16	136.65	136.05	134.86	134.68	
10	136.78	136.01	136.51	134.95	137.54	136.62	136.89	136.16	136.65	136.05	134.87	134.69	
11	136.63	136.20	136.51	135.02	137.33	136.66	136.87	136.23	136.65	136.05	134.86	134.69	
12	136.25	135.97	136.51	134.97	137.21	136.88	136.83	136.19	136.65	136.07	134.86	134.69	
13	136.01	135.99	136.47	134.96	137.09	137.25	136.83	136.17	136.63	136.05	134.91	134.69	
14	135.99	135.98	136.45	135.01	136.90	137.31	136.80	136.16	136.63	136.05	134.98	134.70	
15	135.98	135.98	136.45	136.54	136.69	137.26	136.76	136.15	136.64	136.06	134.98	134.69	
16	135.96	135.99	135.91	136.77	136.48	137.21	136.77	136.15	136.65	136.07	134.83	134.68	
17	135.95	136.09	135.78	136.91	136.44	137.15	136.79	136.14	136.31	136.06	134.76	134.73	
18	135.95	136.02	135.58	137.02	136.89	137.12	136.74	136.09	136.23	136.06	134.76	134.73	
19	136.58	136.38	135.55	136.96	137.25	137.10	136.67	136.75	136.19	136.08	134.76	134.73	
20	136.63	136.53	135.51	137.01	137.32	137.13	136.68	136.57	136.15	136.09	134.76	134.73	
21	136.43	136.53	135.48	136.94	137.14	137.16	136.66	136.77	136.15	136.09	134.78	134.76	
22	135.97	136.53	134.98	136.88	136.97	137.14	136.60	136.82	136.15	136.07	134.77	134.78	
23	135.92	136.53	134.65	136.41	136.79	137.13	136.56	136.80	136.15	136.06	134.76	134.78	
24	135.90	136.53	134.65	135.83	136.62	137.10	136.48	136.78	136.14	136.06	134.75	134.77	
25	135.88	135.25	134.66	135.71	136.62	137.10	136.43	136.73	136.14	135.94	134.73	134.77	
26	136.49	134.68	134.70	135.63	136.55	137.13	136.39	136.73	136.15	135.30	134.73	134.76	
27	136.53	134.66	135.96	135.43	136.44	137.35	136.36	136.73	136.15	134.75	134.72	134.75	
28	136.54	134.69	136.55	135.32	136.30	137.50	136.33	136.73	136.15	134.74	134.73	134.74	
29	136.39	134.73	136.63	135.08	135.68	137.63	136.30	136.73	136.15	134.73	134.72	134.75	
30	136.09	135.92	136.46	135.65	135.33	137.65	136.30	136.73	136.08	134.73		134.75	
31		136.43		136.08	135.33		136.29		136.05	134.73		134.75	
MEAN	136.31	135.98	136.00	135.82	136.69	137.01	136.82	136.40	136.42	135.78	134.79	134.76	
MAX	136.78	136.59	136.63	137.02	138.00	137.65	137.61	136.82	136.69	136.09	134.98	134.93	138.00
MIN	135.88	134.66	134.65	134.95	135.33	135.90	136.29	136.09	136.05	134.73	134.64	134.68	134.64

ANNUAL MAX MOMENTARY GAGE HEIGHT 138.02 M (MSL), AT 12.00 HOURS, ON AUG 9, 1983
ZERO GAGE AT BOTTOM ELEVATION 134.63 M (MSL), RIVER BED 134.02 M (MSL)
LEFT BANK ELEVATION 140.57 M (MSL)
RIGHT BANK ELEVATION 140.88 M (MSL), DRAINAGE AREA 6565 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	44.00	35.60	52.40	41.90	31.40	35.00	95.18	46.80	61.15	39.20	2.70	3.40	
2	44.00	38.00	53.10	33.80	33.50	66.40	92.14	44.35	61.15	39.50	2.25	3.20	
3	44.35	53.10	52.75	28.10	39.20	62.20	91.76	42.20	61.15	39.50	2.10	7.50	
4	44.00	57.65	52.75	22.10	43.70	59.05	92.52	42.50	61.15	15.25	4.20	8.25	
5	60.10	53.10	52.75	19.75	54.15	57.65	88.34	43.40	60.80	29.90	5.75	8.25	
6	62.55	40.70	52.40	18.25	73.90	58.35	81.88	42.20	60.45	39.80	5.75	7.00	
7	62.20	38.60	52.75	15.25	86.44	71.30	77.70	41.60	60.45	40.10	6.00	5.25	
8	60.45	38.00	53.45	12.75	104.30	64.30	73.14	42.80	60.45	39.80	6.25	3.80	
9	62.20	40.10	54.85	11.00	110.00	59.75	69.90	42.80	59.75	39.50	6.50	2.70	
10	64.30	38.30	54.85	8.75	92.52	58.70	68.15	42.80	59.75	39.50	6.75	2.85	
11	59.05	44.00	54.85	10.50	84.54	60.10	67.45	45.05	59.75	39.50	6.50	2.85	
12	45.75	37.10	54.85	9.25	79.98	67.80	66.05	43.70	59.75	40.10	6.50	2.85	
13	38.30	37.70	53.45	9.00	75.42	81.50	66.05	43.10	59.05	39.50	7.75	2.85	
14	37.70	37.40	52.75	10.25	68.50	83.78	65.00	42.80	59.05	39.50	9.50	3.00	
15	37.40	37.40	52.75	55.90	61.15	81.88	63.60	42.50	59.40	39.80	9.50	2.85	
16	36.80	37.70	35.30	63.95	53.80	79.98	63.95	42.50	59.75	40.10	5.75	2.70	
17	36.50	40.70	31.40	68.85	52.40	77.70	64.65	42.20	47.85	39.80	4.20	3.60	
18	36.50	38.60	25.40	72.76	68.15	76.56	62.90	40.70	45.05	39.80	4.20	3.60	
19	57.30	50.30	24.50	70.60	81.50	75.80	60.45	63.25	43.70	40.40	4.20	3.60	
20	59.05	55.55	23.30	72.38	84.16	76.94	60.80	56.95	42.50	40.70	4.20	3.60	
21	52.05	55.55	22.40	69.90	77.32	78.08	60.10	63.95	42.50	40.70	4.60	4.20	
22	37.10	55.55	9.50	67.80	70.95	77.32	58.00	65.70	42.50	40.10	4.40	4.60	
23	35.60	55.55	2.25	51.35	64.65	76.94	56.60	65.00	42.50	39.80	4.20	4.60	
24	35.00	55.55	2.25	32.90	58.70	75.80	53.80	64.30	42.20	39.80	4.00	4.40	
25	34.40	16.25	2.40	29.30	58.70	75.80	52.05	62.55	42.20	36.20	3.60	4.40	
26	54.15	2.70	3.00	26.90	56.25	76.94	50.65	62.55	42.50	17.50	3.60	4.20	
27	55.55	2.40	36.80	20.90	52.40	85.30	49.60	62.55	42.50	4.00	3.40	4.00	
28	55.90	2.85	56.25	18.00	47.50	91.00	48.55	62.55	42.50	3.80	3.60	3.80	
29	50.65	3.60	59.05	12.00	28.40	95.94	47.50	62.55	42.50	3.60	3.40	4.00	
30	40.70	35.60	53.10	27.50	18.25	96.70	47.50	62.55	40.40	3.60		4.00	
31		52.05		40.40	18.25		47.15		39.50	3.60		4.00	
TOTAL	1443.60	1187.25	1187.60	1052.04	1930.08	2184.56	2043.11	1528.45	1603.90	993.95	145.35	129.90	15429.79 CMSDAY
MEAN	48.12	38.30	39.59	33.94	62.26	72.82	65.91	50.95	51.74	32.06	5.01	4.19	42.16 CMS
MAX	64.30	57.65	59.05	72.76	110.00	96.70	95.18	65.70	61.15	40.70	9.50	8.25	110.00 CMS
MIN	34.40	2.40	2.25	8.75	18.25	35.00	47.15	40.70	39.50	3.60	2.10	2.70	2.10 CMS
RUNOFF	124.727	102.578	102.609	90.896	166.759	188.746	176.525	132.058	138.577	85.877	12.558	11.223	1333.134 MCM

MOMENTARY PEAK 110.80 CMS, AT 138.02 M (MSL), AT 12.00 HOURS, ON AUG 9, 1983

RUNOFF YIELD 6.42 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 16.88 LITERS/SECOND/SQUARE KM

WATER YEAR 1983

CHI RIVER BASIN

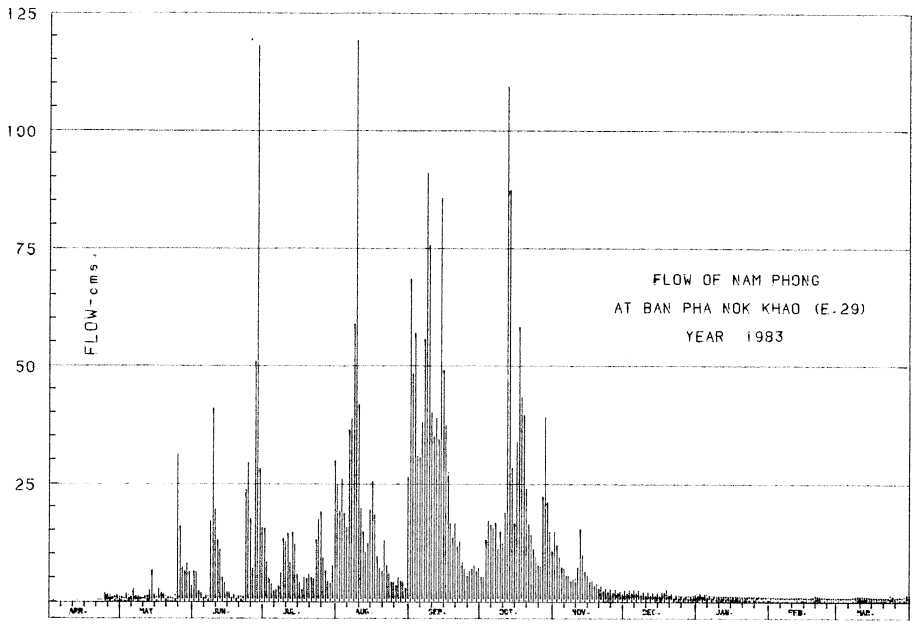
LAM NAM PHONG AT BAN PHA NOK KHAO, LOEI (E.29)

LOCATION	LAT. 16°-50'-45" N., LONG. 101°-56'-54" E., ON RIGHT BANK IN THE VICINITY OF THE FORESTRY OFFICE ABOUT 400 METERS FROM THE BRIDGE ON HIGHWAY, BAN PHA NOK KHAO, AMPHOE PHU KRADUNG, LOEI.
DRAINAGE AREA	945 SQ.KM.
TYPE OF GAGE	WATER-STAGE RECORDER.
ZERO GAGE AT BOTTOM	+225.00 M. (M.S.L.)
BENCH MARK	B.M.-H.D.
LOCATION	INFRONT OF THE AUTOMATIC GAGE BUILDING.
ELEVATION	+238.429 M. (M.S.L.)
GAGE READING FREQUENCY	RECORDING.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 24 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1956-1958, 1967 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1978 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1978 TO DATE.
STABILITY OF CHANNEL REGIMES	STABLE.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS GOOD. STAGE-DISCHARGE RELATION DEFINED BY 202 DISCHARGE MEASUREMENTS MADE IN 1983.

GAGE HEIGHT IN METER (MSL), WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	225.50	225.71	226.46	227.20	227.80	230.02	226.34	227.09	225.96	225.86	225.69	225.65	
2	225.50	225.66	226.39	226.59	227.47	229.07	226.28	226.92	225.96	225.87	225.69	225.65	
3	225.50	225.87	226.03	226.30	227.87	229.51	227.01	226.68	225.97	225.85	225.68	225.65	
4	225.50	225.77	225.90	226.13	227.44	228.15	227.27	226.54	225.97	225.84	225.68	225.65	
5	225.50	225.70	225.83	226.03	227.16	228.17	227.26	226.46	225.97	225.81	225.68	225.64	
6	225.50	226.01	225.78	225.98	228.48	228.53	227.15	226.37	225.97	225.79	225.68	225.64	
7	225.50	225.73	225.75	226.15	228.57	229.45	227.28	226.31	225.96	225.77	225.67	225.67	
8	225.50	225.73	227.27	226.37	229.60	230.90	226.81	226.26	225.92	225.76	225.67	225.72	
9	225.50	225.68	228.72	227.03	232.02	230.31	227.14	226.23	225.91	225.75	225.67	225.73	
10	225.50	225.64	227.46	226.93	228.76	228.64	226.90	226.24	225.91	225.75	225.67	225.73	
11	225.49	225.75	227.00	227.11	227.48	228.40	227.45	226.48	225.91	225.75	225.68	225.73	
12	225.49	225.75	226.80	226.58	227.14	228.58	231.64	227.18	225.90	225.75	225.68	225.72	
13	225.49	225.96	226.34	227.13	226.76	228.37	230.78	226.71	225.89	225.75	225.70	225.72	
14	225.49	226.46	226.15	226.89	226.95	230.69	228.01	226.45	225.89	225.74	225.69	225.71	
15	225.49	225.82	226.00	226.39	227.45	229.14	227.28	226.31	225.88	225.74	225.67	225.69	
16	225.48	225.70	225.91	226.16	227.87	228.50	228.31	226.24	225.88	225.74	225.67	225.68	
17	225.48	226.00	225.84	226.07	227.37	227.95	229.57	226.20	225.91	225.74	225.66	225.67	
18	225.48	225.96	225.81	226.28	226.74	227.23	228.81	226.16	225.97	225.73	225.67	225.67	
19	225.48	225.84	225.77	226.32	226.47	227.04	228.65	226.13	225.98	225.72	225.70	225.67	
20	225.50	225.74	225.75	226.34	226.48	227.23	227.75	226.10	225.90	225.72	225.75	225.67	
21	225.53	225.70	225.74	226.34	226.95	226.90	227.27	226.07	225.86	225.72	225.74	225.66	
22	225.52	225.68	225.73	226.24	226.58	226.93	227.04	226.03	225.80	225.72	225.71	225.67	
23	225.52	225.64	227.73	227.01	226.35	226.58	226.86	226.01	225.79	225.72	225.69	225.77	
24	225.86	225.77	228.07	227.29	226.24	226.45	226.68	226.00	225.77	225.72	225.68	225.74	
25	225.83	228.17	227.35	227.46	226.17	226.36	226.58	225.99	225.77	225.72	225.68	225.67	
26	225.77	227.23	226.46	226.66	226.18	226.41	226.50	225.98	225.76	225.71	225.67	225.69	
27	225.70	226.48	229.23	226.48	226.27	226.51	227.68	225.98	225.75	225.72	225.66	225.69	
28	225.73	226.48	231.98	226.19	226.27	226.52	228.59	225.97	225.75	225.71	225.66	225.67	
29	225.80	226.56	228.03	226.22	226.18	226.46	227.60	225.93	225.75	225.70	225.64	225.71	
30	225.71	226.45	227.16	226.52	226.10	226.47	227.09	225.94	225.77	225.71		225.80	
31		226.08		228.13	227.89		226.82		225.80	225.71		225.77	
MEAN	225.56	226.02	226.81	226.60	227.32	228.05	227.63	226.30	225.88	225.75	225.68	225.69	
MAX	225.86	228.17	231.98	228.13	232.02	230.90	231.64	227.18	225.98	225.87	225.75	225.80	232.02
MIN	225.48	225.64	225.73	225.98	226.10	226.36	226.28	225.93	225.75	225.70	225.64	225.64	225.48

ANNUAL MAX MOMENTARY GAGE HEIGHT 233.01 M (MSL), AT 21.00 HOURS, ON OCT 12, 1983
ZERO GAGE AT BOTTOM ELEVATION 225.00 M (MSL), RIVER BED 225.48 M (MSL)
LEFT BANK ELEVATION 237.81 M (MSL)
RIGHT BANK ELEVATION 238.25 M (MSL), DRAINAGE AREA 945 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.30	1.05	7.10	16.30	24.90	69.08	5.90	14.87	2.48	1.80	0.96	0.80	
2	0.30	0.84	6.40	8.49	19.81	48.40	5.30	12.66	2.48	1.85	0.96	0.80	
3	0.30	1.85	3.04	5.50	26.09	57.62	13.83	9.56	2.56	1.75	0.92	0.80	
4	0.30	1.35	2.00	3.87	19.42	30.90	17.21	7.94	2.56	1.70	0.92	0.80	
5	0.30	1.00	1.65	3.04	15.78	31.26	17.08	7.10	2.56	1.55	0.92	0.76	
6	0.30	2.88	1.40	2.64	37.12	38.07	15.65	6.20	2.56	1.45	0.92	0.76	
7	0.30	1.15	1.25	4.05	38.83	56.30	17.34	5.60	2.48	1.35	0.88	0.88	
8	0.30	1.15	17.21	6.20	59.60	91.00	11.23	5.10	2.16	1.30	0.88	1.10	
9	0.30	0.92	41.68	14.09	119.26	76.25	15.52	4.80	2.08	1.25	0.88	1.15	
10	0.30	0.76	19.68	12.79	42.44	40.16	12.40	4.90	2.08	1.25	0.88	1.15	
11	0.27	1.25	13.70	15.13	19.94	35.60	19.55	7.30	2.08	1.25	0.92	1.15	
12	0.27	1.25	11.10	8.38	15.52	39.02	109.50	16.04	2.00	1.25	0.92	1.10	
13	0.27	2.48	5.90	15.39	10.58	35.03	88.00	9.93	1.95	1.25	1.00	1.10	
14	0.27	7.10	4.05	12.27	13.05	85.75	28.47	7.00	1.95	1.20	0.96	1.05	
15	0.27	1.60	2.80	6.40	19.55	49.80	17.34	5.60	1.90	1.20	0.88	0.96	
16	0.24	1.00	2.08	4.14	26.09	37.50	33.89	4.90	1.90	1.20	0.88	0.92	
17	0.24	2.80	1.70	3.36	18.51	27.45	58.94	4.50	2.08	1.20	0.84	0.88	
18	0.24	2.48	1.55	5.30	10.32	16.69	43.39	4.14	2.56	1.15	0.88	0.88	
19	0.24	1.70	1.35	5.70	7.20	14.22	40.35	3.87	2.64	1.10	1.00	0.88	
20	0.30	1.20	1.25	5.90	7.30	16.69	24.05	3.60	2.00	1.10	1.25	0.88	
21	0.39	1.00	1.20	5.90	13.05	12.40	17.21	3.36	1.80	1.10	1.20	0.84	
22	0.36	0.92	1.15	4.90	8.38	12.79	14.22	3.04	1.50	1.10	1.05	0.88	
23	0.36	0.76	23.71	13.83	6.00	8.38	11.88	2.88	1.45	1.10	0.96	1.35	
24	1.80	1.35	29.49	17.47	4.90	7.00	9.56	2.80	1.35	1.10	0.92	1.20	
25	1.65	31.26	18.25	19.68	4.23	6.10	8.38	2.72	1.35	1.10	0.92	0.88	
26	1.35	16.69	7.10	9.32	4.32	6.60	7.50	2.64	1.30	1.05	0.88	0.96	
27	1.00	7.30	51.60	7.30	5.20	7.61	22.90	2.64	1.25	1.10	0.84	0.96	
28	1.15	7.30	118.16	4.41	5.20	7.72	39.21	2.56	1.25	1.05	0.84	0.88	
29	1.50	8.16	28.81	4.70	4.32	7.10	21.70	2.24	1.25	1.00	0.76	1.05	
30	1.05	7.00	15.78	7.72	3.60	7.20	14.87	2.32	1.35	1.05		1.50	
31		3.44		30.54	26.43		11.36		1.50	1.05		1.35	
TOTAL	16.22	120.99	442.14	284.71	636.94	979.69	773.73	172.81	60.41	38.95	27.02	30.65	3584.26 CMSDAY
MEAN	0.54	3.90	14.74	9.18	20.55	32.66	24.96	5.76	1.95	1.26	0.93	0.99	9.79 CMS
MAX	1.80	31.26	118.16	30.54	119.26	91.00	109.50	16.04	2.64	1.85	1.25	1.50	119.26 CMS
MIN	0.24	0.76	1.15	2.64	3.60	6.10	5.30	2.24	1.25	1.00	0.76	0.76	0.24 CMS
RUNOFF	1.401	10.454	38.201	24.599	55.032	84.645	66.850	14.931	5.219	3.365	2.335	2.648	309.680 MCM

MOMENTARY PEAK 148.30 CMS, AT 233.01 M (MSL), AT 21.00 HOURS, ON OCT 12, 1983
RUNOFF YIELD 10.36 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 156.93 LITERS/SECOND/SQUARE KM

WATER YEAR 1983

CHI RIVER BASIN

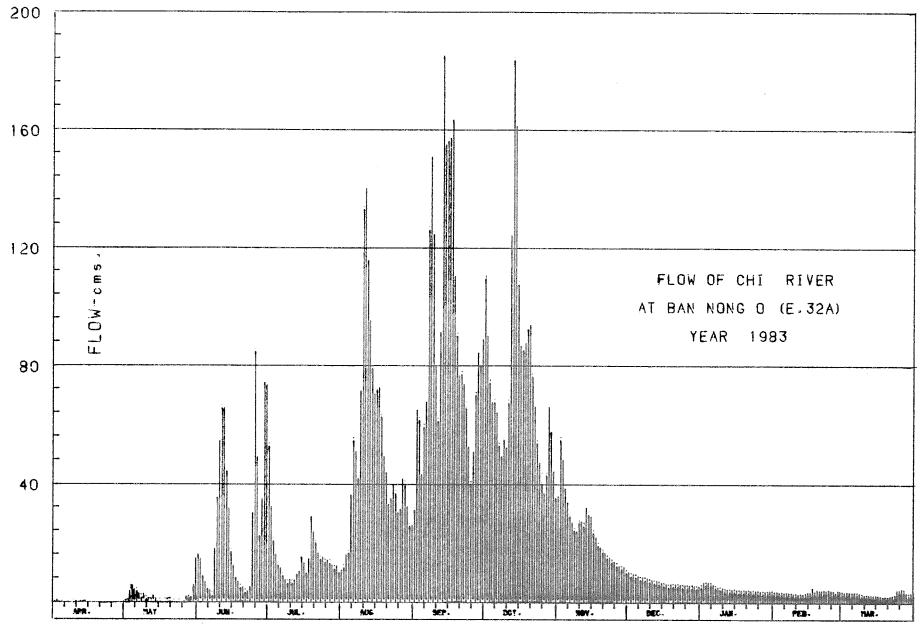
CHI RIVER AT BAN NONG O, CHAIYAPHUM (E.32A)

LOCATION	LAT. 15°-54'-40" N., LONG. 101°-42'-40" E., ON LEFT BANK ABOUT 500 METERS NORTH OF BAN NONG O, ABOUT 600 METERS UPSTREAM FROM E.32 GAGING STATION, AMPHOE BAN KHWAO, CHAIYAPHUM.
DRAINAGE AREA	2,906 SQ.KM.
TYPE OF GAGE	WATER-STAGE RECORDER.
ZERO GAGE AT BOTTOM	+198.00 M. (M.S.L.)
BENCH MARK	B.M.-H.D.
LOCATION	ON RIGHT BANK AT THE AUTOMATIC GAGE BUILDING.
ELEVATION	+210.771 M. (M.S.L.)
GAGE READING FREQUENCY	RECORDING.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 24 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1966 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1968 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1968 TO DATE.
STABILITY OF CHANNEL REGIMES	FAIRLY STABLE.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS GOOD. STAGE-DISCHARGE RELATION DEFINED BY 123 DISCHARGE MEASUREMENTS MADE IN 1983.

GAGE HEIGHT IN METER (MSL), WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	198.66	198.66	199.61	200.98	199.30	200.22	203.25	200.38	199.27	199.04	198.88	198.88	
2	198.66	198.68	199.49	200.24	199.39	201.38	202.55	201.04	199.25	199.10	198.88	198.87	
3	198.66	198.89	199.24	199.81	199.56	201.27	201.89	200.79	199.24	199.10	198.87	198.87	
4	198.66	199.06	199.10	199.57	199.63	200.63	201.51	200.50	199.23	199.10	198.87	198.87	
5	198.66	198.93	199.01	199.43	200.40	201.19	201.56	200.30	199.21	199.09	198.86	198.86	
6	198.66	198.94	198.91	199.34	201.04	201.52	201.34	200.15	199.19	199.05	198.86	198.87	
7	198.66	198.84	198.86	199.25	200.89	203.76	200.98	200.03	199.19	199.02	198.86	198.86	
8	198.65	198.81	199.66	199.14	200.61	204.38	200.83	199.95	199.18	198.99	198.85	198.85	
9	198.68	198.83	200.40	199.13	201.71	203.72	201.04	199.91	199.17	198.99	198.84	198.83	
10	198.62	198.77	201.01	199.14	203.96	202.11	200.93	200.05	199.15	198.97	198.84	198.81	
11	198.62	198.73	201.46	199.13	204.12	201.26	201.54	200.04	199.14	198.95	198.83	198.81	
12	198.62	198.72	201.42	199.13	203.46	202.60	203.68	200.02	199.13	198.94	198.83	198.81	
13	198.63	198.79	200.70	199.27	202.75	205.12	205.09	200.23	199.13	198.94	198.83	198.80	
14	198.63	198.72	200.22	199.28	202.13	204.47	204.61	200.17	199.11	198.94	198.84	198.80	
15	198.63	198.70	199.66	199.56	201.65	204.52	203.19	200.11	199.09	198.94	198.87	198.80	
16	198.62	198.71	199.38	199.42	201.76	204.52	202.41	199.92	199.08	198.93	198.86	198.80	
17	198.62	198.69	199.22	199.29	201.76	204.68	202.40	199.83	199.06	198.92	198.97	198.78	
18	198.62	198.71	199.11	199.49	201.31	203.25	202.45	199.75	199.05	198.92	198.88	198.77	
19	198.62	198.72	199.03	200.14	200.83	202.59	202.68	199.69	199.06	198.92	198.93	198.77	
20	198.62	198.73	198.98	199.90	200.68	201.96	202.70	199.65	199.06	198.92	198.90	198.77	
21	198.62	198.69	198.93	199.78	200.27	202.03	201.99	199.60	199.06	198.92	198.91	198.78	
22	198.61	198.69	198.89	199.59	200.38	201.82	201.44	199.55	199.06	198.91	198.91	198.80	
23	198.61	198.69	199.05	199.53	200.51	201.45	201.01	199.52	199.05	198.91	198.91	198.81	
24	198.61	198.68	200.16	199.52	200.44	200.94	200.76	199.48	199.04	198.91	198.92	198.92	
25	198.61	198.68	202.37	199.48	200.16	200.55	200.54	199.45	199.04	198.90	198.91	198.92	
26	198.61	198.72	200.83	199.47	200.24	200.88	200.42	199.42	199.03	198.89	198.89	198.95	
27	198.63	198.76	199.88	199.47	200.58	201.67	200.64	199.38	199.03	198.89	198.86	198.93	
28	198.63	198.78	200.35	199.39	200.55	202.32	201.43	199.37	199.03	198.89	198.90	198.86	
29	198.63	198.75	201.89	199.37	200.24	202.16	201.14	199.36	199.02	198.89	198.90	198.84	
30	198.63	199.02	201.81	199.37	200.01	202.50	200.66	199.30	199.01	198.90		198.86	
31		199.50		199.30	199.99		200.39		199.01	198.90		198.87	
MEAN	198.63	198.79	199.95	199.51	200.98	202.38	201.84	199.90	199.11	198.96	198.88	198.84	
MAX	198.68	199.50	202.37	200.98	204.12	205.12	205.09	201.04	199.27	199.10	198.97	198.95	205.12
MIN	198.61	198.66	198.86	199.13	199.30	200.22	200.39	199.30	199.01	198.89	198.83	198.77	198.61

ANNUAL MAX MOMENTARY GAGE HEIGHT 205.28 M (MSL), AT 14.00 HOURS, ON SEP 13, 1983
ZERO GAGE AT BOTTOM ELEVATION 198.00 M (MSL), RIVER BED 197.67 M (MSL)
LEFT BANK ELEVATION 210.53 M (MSL)
RIGHT BANK ELEVATION 210.89 M (MSL), DRAINAGE AREA 2905 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.60	0.60	17.20	53.90	11.00	32.00	110.50	36.00	10.40	6.10	3.70	3.70	
2	0.60	0.80	14.80	32.50	12.80	65.10	90.25	55.70	10.00	7.00	3.70	3.55	
3	0.60	3.85	9.80	21.75	16.20	62.60	75.30	48.20	9.80	7.00	3.55	3.55	
4	0.60	6.40	7.00	16.40	17.60	43.40	67.70	39.50	9.60	7.00	3.55	3.55	
5	0.60	4.45	5.65	13.60	36.50	60.20	68.70	34.00	9.20	6.85	3.40	3.40	
6	0.60	4.60	4.15	11.80	55.70	67.90	64.30	30.25	8.80	6.25	3.40	3.55	
7	0.60	3.10	3.40	10.00	51.20	127.10	53.90	27.25	8.80	5.80	3.40	3.40	
8	0.50	2.65	18.20	7.80	42.80	151.10	49.40	25.25	8.60	5.35	3.25	3.25	
9	0.80	2.95	36.50	7.60	71.70	125.70	55.70	24.25	8.40	5.35	3.10	2.95	
10	0.20	2.05	54.80	7.80	134.10	79.70	52.40	27.75	8.00	5.05	3.10	2.65	
11	0.20	1.45	66.70	7.60	140.30	62.30	68.30	27.50	7.80	4.75	2.95	2.65	
12	0.20	1.30	65.90	7.60	116.80	91.50	124.30	27.00	7.60	4.60	2.95	2.65	
13	0.30	2.35	45.50	10.40	95.50	186.00	184.50	32.25	7.60	4.60	2.95	2.50	
14	0.30	1.30	32.00	10.60	80.10	155.15	161.45	30.75	7.20	4.60	3.10	2.50	
15	0.30	1.00	18.20	16.20	70.50	157.40	108.70	29.25	6.85	4.60	3.55	2.50	
16	0.20	1.15	12.60	13.40	72.70	157.40	86.75	24.50	6.70	4.45	3.40	2.50	
17	0.20	0.90	9.40	10.80	72.70	164.60	86.50	22.25	6.40	4.30	5.05	2.20	
18	0.20	1.15	7.20	14.80	63.70	110.50	87.75	20.25	6.25	4.30	3.70	2.05	
19	0.20	1.30	5.95	30.00	49.40	91.25	93.50	18.80	6.40	4.30	4.45	2.05	
20	0.20	1.45	5.20	24.00	44.90	76.70	94.00	18.00	6.40	4.30	4.00	2.05	
21	0.20	0.90	4.45	21.00	33.25	78.10	77.30	17.00	6.40	4.30	4.15	2.20	
22	0.10	0.90	3.85	16.80	36.00	73.90	66.30	16.00	6.40	4.15	4.15	2.50	
23	0.10	0.90	6.25	15.60	39.80	66.50	54.80	15.40	6.25	4.15	4.15	2.65	
24	0.10	0.80	30.50	15.40	37.70	52.70	47.30	14.60	6.10	4.15	4.30	4.30	
25	0.10	0.80	85.75	14.60	30.50	41.00	40.70	14.00	6.10	4.00	4.15	4.30	
26	0.10	1.30	49.40	14.40	32.50	50.90	37.10	13.40	5.95	3.85	3.85	4.75	
27	0.30	1.90	23.50	14.40	41.90	70.90	43.70	12.60	5.95	3.85	3.40	4.45	
28	0.30	2.20	35.25	12.80	41.00	84.50	66.10	12.40	5.95	3.85	4.00	3.40	
29	0.30	1.75	75.30	12.40	32.50	80.70	58.70	12.20	5.80	3.85	4.00	3.10	
30	0.30	5.80	73.70	12.40	26.75	89.00	44.30	11.00	5.65	4.00		3.40	
31		15.00		11.00	26.25		36.25		5.65	4.00		3.55	
TOTAL	9.90	77.05	828.10	489.35	1634.35	2755.80	2356.45	737.30	227.00	150.70	106.40	95.80	9468.20 CMSDAY
MEAN	0.33	2.49	27.60	15.79	52.72	91.86	76.01	24.58	7.32	4.86	3.67	3.09	25.87 CMS
MAX	0.80	15.00	85.75	53.90	140.30	186.00	184.50	55.70	10.40	7.00	5.05	4.75	186.00 CMS
MIN	0.10	0.60	3.40	7.60	11.00	32.00	36.25	11.00	5.65	3.85	2.95	2.05	0.10 CMS
RUNOFF	0.855	6.657	71.548	42.280	141.208	238.101	203.597	63.703	19.613	13.020	9.193	8.277	818.053 MCM

MOMENTARY PEAK 194.80 CMS, AT 205.28 M (MSL), AT 14.00 HOURS, ON SEP 13, 1983

RUNOFF YIELD 8.91 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 67.06 LITERS/SECOND/SQUARE KM

WATER YEAR 1983

CHI RIVER BASIN

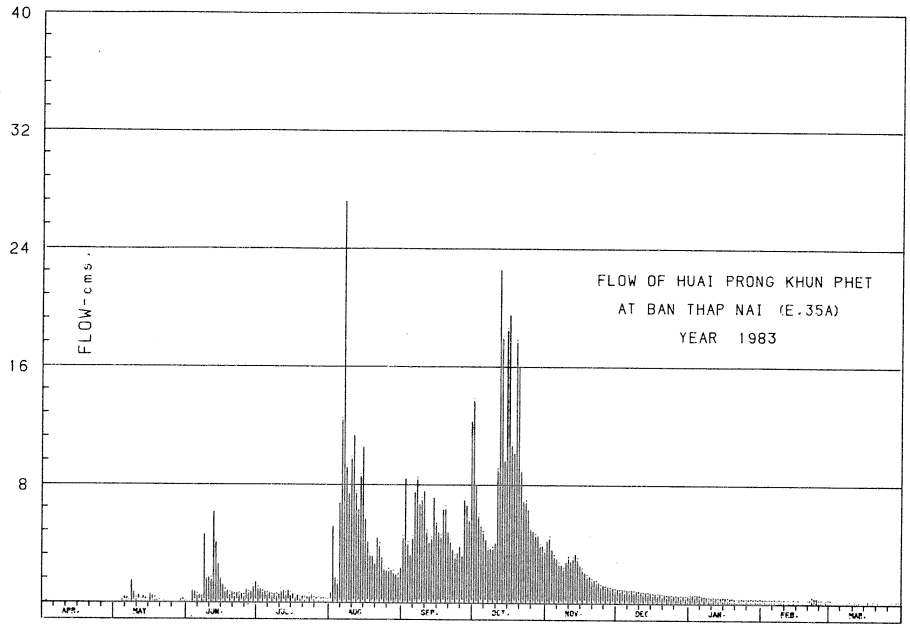
HUAI PRONG KHUN PHET AT BAN THAP NAI, CHAIYAPHUM (E.35A)

LOCATION	LAT. 15°-44'-27" N., LONG. 101°-38'-07" E., ON LEFT BANK ABOUT 6 KILOMETERS UPSTREAM FROM E.35 STATION AT BAN THAP NAI, KING AMPHOE NONG BUA RAHEO, CHAIYAPHUM.
DRAINAGE AREA	422 SQ.KM.
TYPE OF GAGE	WATER-STAGE RECORDER.
ZERO GAGE AT BOTTOM	+211.00 M. (M.S.L.)
BENCH MARK	B.M.-H.D.
LOCATION	NEAR THE AUTOMATIC GAGE BUILDING.
ELEVATION	+216.534 M. (M.S.L.)
GAGE READING FREQUENCY	RECORDING.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 24 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1973 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1973 - 1981.
RATED BY FLOAT	-
RATED BY CURRENT METER	1973 - 1981
STABILITY OF CHANNEL REGIMES	STABLE.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS FAIR.STAGE-DISCHARGE RELATION DEFINED BY 731 DISCHARGE MEASUREMENTS MADE DURING 1977-1981.

GAGE HEIGHT IN METER (MSL), WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	212.12	212.09	212.14	212.52	212.36	213.19	214.12	213.14	212.48	212.32	212.22	212.20	
2	212.12	212.09	212.15	212.47	213.29	213.63	213.58	213.19	212.47	212.32	212.22	212.18	
3	212.12	212.07	212.48	212.43	212.67	213.13	213.37	213.05	212.47	212.32	212.21	212.18	
4	212.11	212.16	212.40	212.40	212.62	212.98	213.27	212.99	212.46	212.33	212.21	212.18	
5	212.11	212.25	212.35	212.38	213.45	213.19	213.23	212.94	212.46	212.31	212.21	212.17	
6	212.10	212.22	212.30	212.36	214.01	213.53	213.15	212.89	212.44	212.30	212.21	212.17	
7	212.09	212.19	212.27	212.34	215.05	213.64	213.07	212.85	212.46	212.28	212.21	212.16	
8	212.09	212.66	213.20	212.34	213.72	213.44	213.06	212.82	212.44	212.27	212.21	212.16	
9	212.09	212.38	212.70	212.34	213.52	213.49	213.08	212.89	212.43	212.26	212.21	212.16	
10	212.09	212.23	212.67	212.32	213.78	213.54	213.12	212.97	212.42	212.26	212.20	212.16	
11	212.09	212.29	212.68	212.48	213.91	213.24	213.70	212.90	212.41	212.26	212.19	212.15	
12	212.09	212.21	213.38	212.42	213.54	213.12	214.76	212.96	212.40	212.25	212.19	212.15	
13	212.09	212.26	213.15	212.38	213.40	213.18	214.46	213.00	212.40	212.25	212.20	212.14	
14	212.08	212.21	212.86	212.43	213.66	213.49	213.75	212.95	212.39	212.25	212.20	212.14	
15	212.07	212.14	212.70	212.38	213.84	213.30	214.50	212.85	212.38	212.25	212.20	212.13	
16	212.06	212.38	212.55	212.33	213.35	213.22	214.56	212.81	212.36	212.25	212.19	212.15	
17	212.05	212.28	212.47	212.31	213.13	213.20	213.87	212.75	212.36	212.24	212.19	212.16	
18	212.04	212.25	212.42	212.29	213.01	213.40	213.80	212.73	212.36	212.24	212.19	212.17	
19	212.03	212.19	212.39	212.28	212.97	213.43	214.44	212.70	212.36	212.23	212.19	212.17	
20	212.03	212.17	212.38	212.27	212.90	213.22	214.30	212.66	212.34	212.22	212.18	212.14	
21	212.02	212.15	212.34	212.26	213.17	213.15	213.70	212.64	212.34	212.22	212.21	212.14	
22	212.02	212.14	212.36	212.25	213.12	213.05	213.46	212.63	212.32	212.22	212.26	212.11	
23	212.02	212.14	212.36	212.35	212.95	212.99	213.47	212.60	212.32	212.22	212.25	212.11	
24	212.01	212.13	212.34	212.31	212.83	213.01	213.40	212.56	212.32	212.22	212.23	212.11	
25	212.00	212.13	212.33	212.25	212.77	213.11	213.27	212.55	212.31	212.22	212.21	212.14	
26	212.00	212.11	212.45	212.24	212.80	212.97	213.23	212.54	212.31	212.22	212.20	212.15	
27	212.00	212.11	212.41	212.23	212.78	213.49	213.21	212.53	212.30	212.22	212.18	212.15	
28	211.98	212.11	212.39	212.23	212.78	213.43	213.19	212.52	212.30	212.22	212.21	212.15	
29	211.98	212.19	212.56	212.22	212.72	213.34	213.11	212.51	212.29	212.22	212.21	212.16	
30	211.98	212.19	212.60	212.21	212.73	213.99	213.09	212.49	212.29	212.22		212.17	
31		212.17		212.20	212.81		213.05		212.29	212.22		212.19	
MEAN	212.06	212.20	212.53	212.33	213.21	213.30	213.59	212.79	212.38	212.25	212.21	212.15	
MAX	212.12	212.66	213.38	212.52	215.05	213.99	214.76	213.19	212.48	212.33	212.26	212.20	215.05
MIN	211.98	212.07	212.14	212.20	212.36	212.97	213.05	212.49	212.29	212.22	212.18	212.11	211.98

ANNUAL MAX MOMENTARY GAGE HEIGHT 216.13 M (MSL), AT 15.00 HOURS, ON OCT 15, 1983
ZERO GAGE AT BOTTOM ELEVATION 211.00 M (MSL), RIVER BED 211.25 M (MSL)
LEFT BANK ELEVATION 219.49 M (MSL)
RIGHT BANK ELEVATION 220.35 M (MSL), DRAINAGE AREA 422 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.07	0.02	0.12	1.08	0.66	4.53	13.84	4.18	0.95	0.56	0.31	0.26	
2	0.07	0.02	0.14	0.93	5.32	8.40	7.92	4.53	0.93	0.56	0.31	0.22	
3	0.07	0.02	0.95	0.83	1.68	4.11	6.03	3.60	0.93	0.56	0.29	0.22	
4	0.04	0.17	0.75	0.75	1.48	3.20	5.16	3.25	0.90	0.58	0.29	0.22	
5	0.04	0.39	0.63	0.71	6.75	4.53	4.84	3.00	0.90	0.53	0.29	0.19	
6	0.02	0.31	0.51	0.66	12.52	7.47	4.25	2.75	0.85	0.51	0.29	0.19	
7	0.02	0.24	0.44	0.61	27.20	8.50	3.72	2.55	0.90	0.46	0.29	0.17	
8	0.02	1.64	4.60	0.61	9.30	6.66	3.66	2.40	0.85	0.44	0.29	0.17	
9	0.02	0.71	1.80	0.61	7.38	7.11	3.78	2.75	0.83	0.41	0.29	0.17	
10	0.02	0.34	1.68	0.56	9.90	7.56	4.04	3.15	0.80	0.41	0.26	0.17	
11	0.02	0.49	1.72	0.95	11.32	4.92	9.10	2.80	0.78	0.41	0.24	0.14	
12	0.02	0.29	6.12	0.80	7.56	4.04	22.56	3.10	0.75	0.39	0.24	0.14	
13	0.02	0.41	4.25	0.71	6.30	4.46	18.08	3.30	0.75	0.39	0.26	0.12	
14	0.02	0.29	2.60	0.83	8.70	7.11	9.60	3.05	0.73	0.39	0.26	0.12	
15	0.02	0.12	1.80	0.71	10.54	5.40	18.60	2.55	0.71	0.39	0.26	0.09	
16	0.02	0.71	1.20	0.58	5.85	4.76	19.50	2.35	0.66	0.39	0.24	0.14	
17	0.02	0.46	0.93	0.53	4.11	4.60	10.87	2.05	0.66	0.36	0.24	0.17	
18	0.01	0.39	0.80	0.49	3.36	6.30	10.10	1.95	0.66	0.36	0.24	0.19	
19	0.01	0.24	0.73	0.46	3.15	6.57	17.82	1.80	0.66	0.34	0.24	0.19	
20	0.01	0.19	0.71	0.44	2.80	4.76	16.00	1.64	0.61	0.31	0.22	0.12	
21	0.01	0.14	0.61	0.41	4.39	4.25	9.10	1.56	0.61	0.31	0.29	0.12	
22	0.01	0.12	0.66	0.39	4.04	3.60	6.84	1.52	0.56	0.31	0.41	0.04	
23	0.01	0.12	0.66	0.63	3.05	3.25	6.93	1.40	0.56	0.31	0.39	0.04	
24	0.01	0.09	0.61	0.53	2.45	3.36	6.30	1.24	0.56	0.31	0.34	0.04	
25	0.01	0.09	0.58	0.39	2.15	3.97	5.16	1.20	0.53	0.31	0.29	0.12	
26	0.01	0.04	0.88	0.36	2.30	3.15	4.84	1.16	0.53	0.31	0.26	0.14	
27	0.01	0.04	0.78	0.34	2.20	7.11	4.68	1.12	0.51	0.31	0.22	0.14	
28	0.01	0.04	0.73	0.34	2.20	6.57	4.53	1.08	0.51	0.31	0.29	0.14	
29	0.01	0.24	1.24	0.31	1.90	5.76	3.97	1.04	0.49	0.31	0.29	0.17	
30	0.01	0.24	1.40	0.29	1.95	12.28	3.84	0.98	0.49	0.31		0.19	
31		0.19		0.26	2.35		3.60		0.49	0.31		0.24	
TOTAL	0.66	8.80	40.63	18.10	174.86	168.29	269.26	69.05	21.65	12.16	8.13	4.78	796.37 CMSDAY
MEAN	0.02	0.28	1.35	0.58	5.64	5.61	8.69	2.30	0.70	0.39	0.28	0.15	2.18 CMS
MAX	0.07	1.64	6.12	1.08	27.20	12.28	22.56	4.53	0.95	0.58	0.41	0.26	27.20 CMS
MIN	0.01	0.02	0.12	0.26	0.66	3.15	3.60	0.98	0.49	0.31	0.22	0.04	0.01 CMS
RUNOFF	0.057	0.760	3.510	1.564	15.108	14.540	23.264	5.966	1.871	1.051	0.702	0.413	68.806 MCM

MOMENTARY PEAK 47.43 CMS, AT 216.13 M (MSL), AT 15.00 HOURS, ON OCT 15, 1983

RUNOFF YIELD 5.16 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 112.39 LITERS/SECOND/SQUARE KM

WATER YEAR 1983

CHI RIVER BASIN

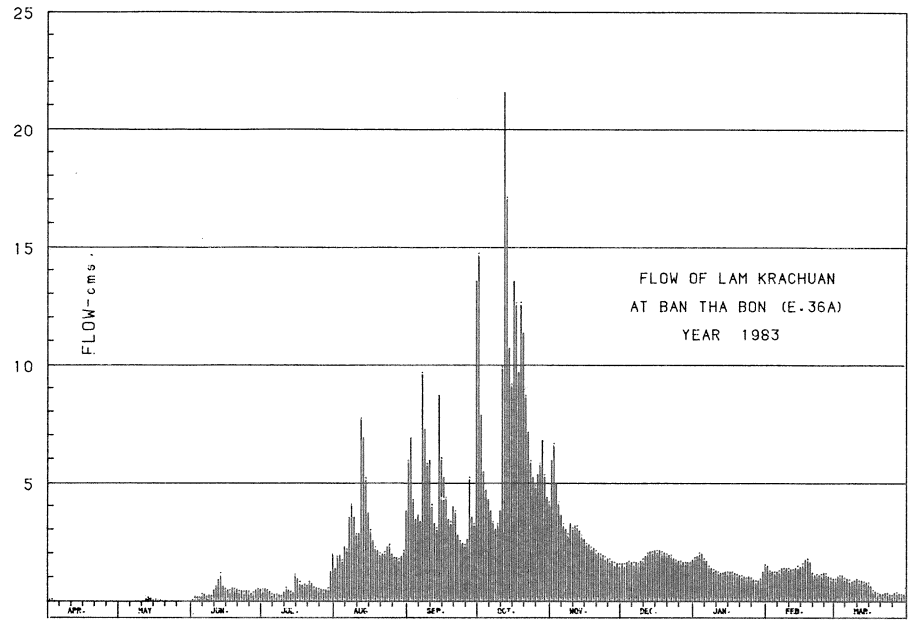
LAM KRACHUAN AT BAN THA BON, CHAIYAPHUM (E.36A)

LOCATION	LAT. 15°-43'-24" N., LONG. 101°-40'-04" E., ON RIGHT BANK ABOUT 2 KILOMETERS UPSTREAM FROM E.36 STATION AT BAN THA BON, KING AMPHOE NONG BUA RAHEO, CHAIYAPHUM.
DRAINAGE AREA	290 SQ.KM.
TYPE OF GAGE	WATER-STAGE RECORDER.
ZERO GAGE AT BOTTOM	+211.25 M. (M.S.L.)
BENCH MARK	B.M.-H.D.
LOCATION	ON RIGHT BANK ALONG THE MEASURING LINE.
ELEVATION	+217.647 M. (M.S.L.)
GAGE READING FREQUENCY	RECORDING.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 24 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1970 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1972 - 1981.
RATED BY FLOAT	-
RATED BY CURRENT METER	1972 - 1981.
STABILITY OF CHANNEL REGIMES	FAIRLY STABLE.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS FAIR. STAGE-DISCHARGE RELATION DEFINED BY 729 DISCHARGE MEASUREMENTS MADE DURING 1977-1981.

GAGE HEIGHT IN METER (MSL), WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	213.03	212.83	213.06	213.17	213.38	213.98	214.68	213.98	213.42	213.47	213.40	213.29	
2	213.03	212.83	213.07	213.18	213.48	214.06	214.14	214.04	213.42	213.48	213.36	213.31	
3	213.02	212.83	213.06	213.16	213.49	213.83	213.94	213.90	213.43	213.51	213.35	213.32	
4	213.01	212.83	213.06	213.14	213.45	213.74	213.87	213.82	213.44	213.50	213.35	213.32	
5	213.00	212.82	213.11	213.11	213.56	213.76	213.83	213.76	213.43	213.46	213.35	213.30	
6	213.00	212.83	213.10	213.10	213.54	213.73	213.78	213.72	213.43	213.44	213.36	213.29	
7	212.99	212.83	213.07	213.10	213.75	214.29	213.73	213.69	213.43	213.40	213.38	213.28	
8	212.98	212.83	213.09	213.09	213.81	214.09	213.69	213.66	213.42	213.38	213.38	213.26	
9	212.97	212.82	213.08	213.08	213.75	213.97	213.72	213.72	213.44	213.37	213.38	213.27	
10	212.96	212.82	213.16	213.13	213.66	213.98	213.78	213.70	213.46	213.36	213.38	213.29	
11	212.95	213.03	213.21	213.20	213.66	213.81	214.31	213.71	213.48	213.35	213.37	213.27	
12	212.94	213.07	213.28	213.16	214.13	213.72	215.11	213.71	213.51	213.34	213.37	213.27	
13	212.93	213.06	213.34	213.14	214.06	213.70	214.84	213.68	213.52	213.34	213.38	213.26	
14	212.92	213.04	213.21	213.12	213.92	214.21	214.37	213.65	213.52	213.35	213.40	213.25	
15	212.91	213.03	213.18	213.33	213.77	213.99	214.25	213.62	213.53	213.35	213.39	213.25	
16	212.90	213.04	213.16	213.29	213.69	213.92	214.59	213.59	213.53	213.35	213.42	213.21	
17	212.88	213.03	213.16	213.26	213.61	213.84	214.52	213.58	213.53	213.35	213.45	213.16	
18	212.88	213.02	213.19	213.22	213.56	213.74	214.29	213.56	213.52	213.34	213.46	213.14	
19	212.87	213.02	213.18	213.23	213.53	213.73	214.52	213.55	213.51	213.33	213.43	213.12	
20	212.87	213.01	213.17	213.22	213.51	213.80	214.42	213.53	213.50	213.32	213.34	213.11	
21	212.87	213.01	213.15	213.26	213.50	213.78	214.21	213.51	213.49	213.32	213.32	213.10	
22	212.85	213.00	213.15	213.24	213.52	213.65	214.08	213.50	213.49	213.31	213.33	213.12	
23	212.84	212.98	213.14	213.20	213.56	213.61	213.98	213.49	213.46	213.30	213.32	213.12	
24	212.82	212.97	213.15	213.19	213.58	213.59	213.92	213.48	213.45	213.31	213.33	213.10	
25	212.82	213.00	213.14	213.18	213.50	213.58	213.89	213.46	213.44	213.30	213.34	213.09	
26	212.83	213.01	213.11	213.17	213.47	213.62	213.93	213.46	213.44	213.28	213.34	213.12	
27	212.83	213.00	213.13	213.16	213.47	213.92	213.97	213.44	213.43	213.27	213.31	213.13	
28	212.84	213.01	213.16	213.16	213.46	213.75	214.05	213.43	213.43	213.27	213.30	213.11	
29	212.84	213.01	213.18	213.19	213.48	213.72	213.93	213.42	213.43	213.29	213.29	213.10	
30	212.83	213.01	213.17	213.35	213.53	214.59	213.84	213.42	213.43	213.35		213.10	
31		213.02		213.51	213.78		213.82		213.45	213.41		213.13	
MEAN	212.91	212.96	213.15	213.19	213.62	213.86	214.13	213.63	213.46	213.36	213.36	213.20	
MAX	213.03	213.07	213.34	213.51	214.13	214.59	215.11	214.04	213.53	213.51	213.46	213.32	215.11
MIN	212.82	212.82	213.06	213.08	213.38	213.58	213.69	213.42	213.42	213.27	213.29	213.09	212.82

ANNUAL MAX MOMENTARY GAGE HEIGHT 215.17 M (MSL), AT 10.00 HOURS, ON OCT 12, 1983
ZERO GAGE AT BOTTOM ELEVATION 211.25 M (MSL), RIVER BED 212.00 M (MSL)
LEFT BANK ELEVATION 220.07 M (MSL)
RIGHT BANK ELEVATION 219.27 M (MSL), DRAINAGE AREA 290 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.09	0.00	0.18	0.51	1.40	5.96	14.74	5.96	1.60	1.85	1.50	0.96	
2	0.09	0.00	0.21	0.54	1.90	6.92	7.88	6.68	1.60	1.90	1.30	1.05	
3	0.06	0.00	0.18	0.48	1.95	4.30	5.48	5.00	1.65	2.05	1.25	1.10	
4	0.03	0.00	0.18	0.42	1.75	3.46	4.70	4.20	1.70	2.00	1.25	1.10	
5	0.00	0.00	0.33	0.33	2.30	3.64	4.30	3.64	1.65	1.80	1.25	1.00	
6	0.00	0.00	0.30	0.30	2.20	3.37	3.82	3.28	1.65	1.70	1.30	0.96	
7	0.00	0.00	0.21	0.30	3.55	9.68	3.37	3.04	1.65	1.50	1.40	0.92	
8	0.00	0.00	0.27	0.27	4.10	7.28	3.04	2.86	1.60	1.40	1.40	0.84	
9	0.00	0.00	0.24	0.24	3.55	5.84	3.28	3.28	1.70	1.35	1.40	0.88	
10	0.00	0.00	0.48	0.39	2.86	5.96	3.82	3.10	1.80	1.30	1.40	0.96	
11	0.00	0.09	0.64	0.60	2.86	4.10	9.93	3.19	1.90	1.25	1.35	0.88	
12	0.00	0.21	0.92	0.48	7.76	3.28	21.58	3.19	2.05	1.20	1.35	0.88	
13	0.00	0.18	1.20	0.42	6.92	3.10	17.14	2.98	2.10	1.20	1.40	0.84	
14	0.00	0.12	0.64	0.36	5.24	8.72	10.71	2.80	2.10	1.25	1.50	0.80	
15	0.00	0.09	0.54	1.15	3.73	6.08	9.20	2.62	2.15	1.25	1.45	0.80	
16	0.00	0.12	0.48	0.96	3.04	5.24	13.57	2.45	2.15	1.25	1.60	0.64	
17	0.00	0.09	0.48	0.84	2.56	4.40	12.66	2.40	2.15	1.25	1.75	0.48	
18	0.00	0.06	0.57	0.68	2.30	3.46	9.68	2.30	2.10	1.20	1.80	0.42	
19	0.00	0.06	0.54	0.72	2.15	3.37	12.66	2.25	2.05	1.15	1.65	0.36	
20	0.00	0.03	0.51	0.68	2.05	4.00	11.36	2.15	2.00	1.10	1.20	0.33	
21	0.00	0.03	0.45	0.84	2.00	3.82	8.72	2.05	1.95	1.10	1.10	0.30	
22	0.00	0.00	0.45	0.76	2.10	2.80	7.16	2.00	1.95	1.05	1.15	0.36	
23	0.00	0.00	0.42	0.60	2.30	2.56	5.96	1.95	1.80	1.00	1.10	0.36	
24	0.00	0.00	0.45	0.57	2.40	2.45	5.24	1.90	1.75	1.05	1.15	0.30	
25	0.00	0.00	0.42	0.54	2.00	2.40	4.90	1.80	1.70	1.00	1.20	0.27	
26	0.00	0.03	0.33	0.51	1.85	2.62	5.36	1.80	1.70	0.92	1.20	0.36	
27	0.00	0.00	0.39	0.48	1.85	5.24	5.84	1.70	1.65	0.88	1.05	0.39	
28	0.00	0.03	0.48	0.48	1.80	3.55	6.80	1.65	1.65	0.88	1.00	0.33	
29	0.00	0.03	0.54	0.57	1.90	3.28	5.36	1.60	1.65	0.96	0.96	0.30	
30	0.00	0.03	0.51	1.25	2.15	13.57	4.40	1.60	1.65	1.25		0.30	
31		0.06		2.05	3.82		4.20		1.75	1.55		0.39	
TOTAL	0.27	1.26	13.54	19.32	88.34	144.45	246.86	85.42	56.55	40.59	38.41	19.86	754.87 CMSDAY
MEAN	0.01	0.04	0.45	0.62	2.85	4.82	7.96	2.85	1.82	1.31	1.32	0.64	2.06 CMS
MAX	0.09	0.21	1.20	2.05	7.76	13.57	21.58	6.68	2.15	2.05	1.80	1.10	21.58 CMS
MIN	0.00	0.00	0.18	0.24	1.40	2.40	3.04	1.60	1.60	0.88	0.96	0.27	0.00 CMS
RUNOFF	0.023	0.109	1.170	1.669	7.633	12.480	21.329	7.380	4.886	3.507	3.319	1.716	65.221 MCM

MOMENTARY PEAK 22.66 CMS, AT 215.17 M (MSL), AT 10.00 HOURS, ON OCT 12, 1983

RUNOFF YIELD 7.11 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 78.14 LITERS/SECOND/SQUARE KM

WATER YEAR 1983

CHI RIVER BASIN

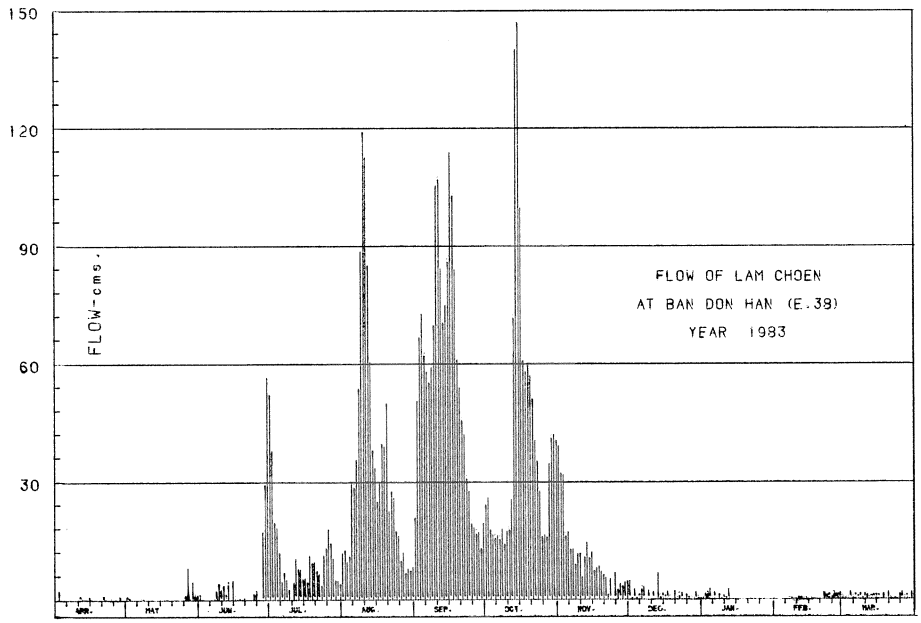
LAM NAM CHOEN AT BAN DON HAN, KHON KAEN (E.38)

LOCATION	LAT. 16°-31'-22" N., LONG. 102°-02'-03" E., ON RIGHT BANK ABOUT 3 KILOMETERS DOWNSTREAM FROM THE WIER, BAN DON HAN, AMPHOE CHUM PHAE, KHON KAEN.
DRAINAGE AREA	1,446 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM	+213.00 M. (M.S.L.)
BENCH MARK	B.M.-H.D.
LOCATION	ABOUT 8 METERS FROM THE TOP STAFF GAGE.
ELEVATION	+220.442 M. (M.S.L.)
GAGE READING FREQUENCY	5-TIME DAILY READINGS AT 06.00, 09.00, 12.00, 15.00 AND 18.00 HOURS.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 5 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1974 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1974-1978
RATED BY FLOAT	-
RATED BY CURRENT METER	1974-1978
STABILITY OF CHANNEL REGIMES	FAIRLY STABLE.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS FAIR. STAGE-DISCHARGE RELATION DEFINED BY 635 DISCHARGE MEASUREMENTS MADE DURING 1976-1978.

GAGE HEIGHT IN METER (MSL), WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	213.18	213.55	213.66	216.82	214.62	215.21	215.38	216.13	214.08	213.48	213.09	213.59	
2	213.87	213.39	213.37	216.07	214.72	216.70	215.44	215.81	213.65	213.68	213.10	213.45	
3	213.26	213.08	213.19	215.15	214.47	217.52	215.05	215.75	213.87	213.78	213.11	213.53	
4	213.08	213.29	213.22	215.04	214.61	217.76	214.93	214.96	213.65	213.87	213.13	213.79	
5	213.09	213.30	213.22	214.68	215.65	217.30	214.93	214.98	213.68	213.48	213.14	213.56	
6	213.13	213.11	213.40	214.06	215.62	217.07	214.92	214.73	213.93	213.77	213.13	213.67	
7	213.07	213.41	213.36	214.34	215.95	216.97	214.91	214.69	213.93	213.25	213.41	213.53	
8	213.08	213.33	213.83	214.11	216.89	217.12	215.02	214.48	213.44	213.65	213.32	213.70	
9	213.32	213.05	214.06	213.94	218.44	217.66	214.82	214.61	213.83	213.35	213.31	213.41	
10	213.43	213.06	213.86	213.37	219.36	219.01	214.99	214.67	213.48	213.58	213.13	213.69	
11	213.57	213.06	214.03	214.08	219.20	219.07	215.05	214.18	213.80	213.42	213.44	213.74	
12	213.04	213.07	213.68	214.53	218.32	218.26	215.42	214.60	213.30	213.86	213.40	213.51	
13	213.04	213.10	214.06	214.41	217.19	217.69	217.74	214.80	214.26	213.19	213.39	213.57	
14	213.19	213.13	213.24	214.34	216.11	217.86	219.70	214.59	213.65	213.30	213.39	213.64	
15	213.52	213.06	214.12	214.20	215.84	218.36	219.80	214.64	213.71	213.38	213.36	213.64	
16	213.12	213.07	213.60	214.15	215.43	219.23	218.82	214.37	213.60	213.39	213.36	213.63	
17	213.09	213.40	213.25	214.14	215.64	218.95	217.24	214.37	213.81	213.33	213.37	213.25	
18	213.32	213.24	213.38	214.58	216.19	218.25	217.07	214.45	213.57	213.36	213.36	213.67	
19	213.34	213.08	213.27	214.51	216.12	217.25	217.20	214.30	213.23	213.38	213.43	213.29	
20	213.32	213.12	213.43	214.47	216.71	216.87	217.02	214.30	213.83	213.33	213.28	213.78	
21	213.59	213.18	213.14	214.37	215.26	216.49	216.76	214.16	213.51	213.32	213.31	213.51	
22	213.27	213.20	213.12	214.25	215.56	216.27	216.20	213.81	213.74	213.33	213.81	213.56	
23	213.22	213.19	213.11	214.04	215.44	215.74	215.97	214.13	213.74	213.32	213.59	213.61	
24	213.43	213.19	213.70	214.58	215.03	215.53	215.53	213.46	213.29	213.21	213.66	213.40	
25	213.18	213.25	213.83	214.75	214.91	215.14	214.96	214.27	213.64	213.11	213.46	213.79	
26	213.34	213.71	213.38	215.02	214.54	215.04	214.93	213.94	213.44	213.09	213.77	213.77	
27	213.12	214.37	213.43	214.84	214.63	215.01	214.95	214.00	213.49	213.03	213.66	213.52	
28	213.59	213.36	214.98	214.53	214.32	214.97	215.90	214.04	213.40	213.05	213.67	213.64	
29	213.11	214.06	215.65	214.16	214.35	214.75	216.26	214.04	213.78	213.13	213.75	213.27	
30	213.10	213.70	217.00	214.08	214.38	215.10	216.27	214.15	213.55	213.14		213.77	
31		213.65		214.09	214.38		216.24		213.48	213.08		213.33	
MEAN	213.27	213.31	213.75	214.51	215.80	216.94	216.11	214.51	213.66	213.38	213.39	213.57	
MAX	213.87	214.37	217.00	216.82	219.36	219.23	219.80	216.13	214.26	213.87	213.81	213.79	219.80
MIN	213.04	213.05	213.11	213.37	214.32	214.75	214.82	213.46	213.23	213.03	213.09	213.25	213.03

ANNUAL MAX MOMENTARY GAGE HEIGHT 219.85 M (MSL), AT 18.00 HOURS, ON OCT 14, 1983
ZERO GAGE AT BOTTOM ELEVATION 213.00 M (MSL), RIVER BED 213.04 M (MSL)
LEFT BANK ELEVATION 220.12 M (MSL)
RIGHT BANK ELEVATION 220.49 M (MSL), DRAINAGE AREA 1446 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.00	0.85	1.30	52.90	11.80	21.49	24.72	39.10	4.80	0.64	0.00	0.97	
2	2.70	0.37	0.31	37.90	13.30	50.50	25.86	32.89	1.25	1.40	0.00	0.55	
3	0.06	0.00	0.00	20.35	9.55	67.44	18.45	31.75	2.70	1.90	0.00	0.79	
4	0.00	0.09	0.02	18.26	11.65	72.72	16.45	16.90	1.25	2.70	0.00	1.95	
5	0.00	0.10	0.02	12.70	29.85	62.80	16.45	17.20	1.40	0.64	0.00	0.88	
6	0.00	0.00	0.40	4.60	29.28	57.97	16.30	13.45	3.30	1.85	0.00	1.35	
7	0.00	0.43	0.28	7.72	35.55	55.90	16.15	12.85	3.30	0.05	0.43	0.79	
8	0.00	0.19	2.30	5.10	54.30	59.02	17.88	9.70	0.52	1.25	0.16	1.50	
9	0.16	0.00	4.60	3.40	88.56	70.52	14.80	11.65	2.30	0.25	0.13	0.43	
10	0.49	0.00	2.60	0.31	119.70	105.35	17.35	12.55	0.64	0.94	0.00	1.45	
11	0.91	0.00	4.30	4.80	112.50	107.45	18.45	5.80	2.00	0.46	0.52	1.70	
12	0.00	0.00	1.40	10.45	85.68	84.24	25.48	11.50	0.10	2.60	0.40	0.73	
13	0.00	0.00	4.60	8.65	60.49	71.18	72.28	14.50	6.72	0.00	0.37	0.91	
14	0.00	0.00	0.04	7.72	38.70	74.92	140.00	11.35	1.25	0.10	0.37	1.20	
15	0.76	0.00	5.20	6.00	33.46	86.64	147.50	12.10	1.55	0.34	0.28	1.20	
16	0.00	0.00	1.00	5.50	25.67	113.85	99.60	8.11	1.00	0.37	0.28	1.15	
17	0.00	0.40	0.05	5.40	29.66	103.50	61.54	8.11	2.10	0.19	0.31	0.05	
18	0.16	0.04	0.34	11.20	40.30	84.00	57.97	9.25	0.91	0.28	0.28	1.35	
19	0.22	0.00	0.07	10.15	38.90	61.75	60.70	7.20	0.03	0.34	0.49	0.09	
20	0.16	0.00	0.49	9.55	50.70	53.90	56.92	7.20	2.30	0.19	0.08	1.90	
21	0.97	0.00	0.00	8.11	22.44	46.30	51.70	5.60	0.73	0.16	0.13	0.73	
22	0.07	0.00	0.00	6.60	28.14	41.90	40.50	2.10	1.70	0.19	2.10	0.88	
23	0.02	0.00	0.00	4.40	25.86	31.56	35.93	5.30	1.70	0.16	0.97	1.05	
24	0.49	0.00	1.50	11.20	18.07	27.57	27.57	0.58	0.09	0.01	1.30	0.40	
25	0.00	0.05	2.30	13.75	16.15	20.16	16.90	6.84	1.20	0.00	0.58	1.95	
26	0.22	1.55	0.34	17.88	10.60	18.26	16.45	3.40	0.52	0.00	1.85	1.85	
27	0.00	8.11	0.49	15.10	11.95	17.69	16.75	4.00	0.67	0.00	1.30	0.76	
28	0.97	0.28	17.20	10.45	7.46	17.05	34.60	4.40	0.40	0.00	1.35	1.20	
29	0.00	4.60	29.85	5.60	7.85	13.75	41.70	4.40	1.90	0.00	1.75	0.07	
30	0.00	1.50	56.50	4.80	8.24	19.40	41.90	5.50	0.85	0.00		1.85	
31		1.25		4.90	8.24		41.30		0.64	0.00		0.19	
TOTAL	8.36	19.81	137.50	345.45	1084.60	1718.78	1290.15	335.28	49.82	17.01	15.43	31.87	5054.06 CMSDAY
MEAN	0.28	0.64	4.58	11.14	34.99	57.29	41.62	11.18	1.61	0.55	0.53	1.03	13.81 CMS
MAX	2.70	8.11	56.50	52.90	119.70	113.85	147.50	39.10	6.72	2.70	2.10	1.95	147.50 CMS
MIN	0.00	0.00	0.00	0.31	7.46	13.75	14.80	0.58	0.03	0.00	0.00	0.05	0.00 CMS
RUNOFF	0.722	1.712	11.880	29.847	93.709	148.503	111.469	28.968	4.304	1.470	1.333	2.754	436.671 MCM

MOMENTARY PEAK 152.50 CMS, AT 219.85 M (MSL), AT 18.00 HOURS, ON OCT 14, 1983

RUNOFF YIELD 9.55 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 105.46 LITERS/SECOND/SQUARE KM

WATER YEAR 1983

CHI RIVER BASIN

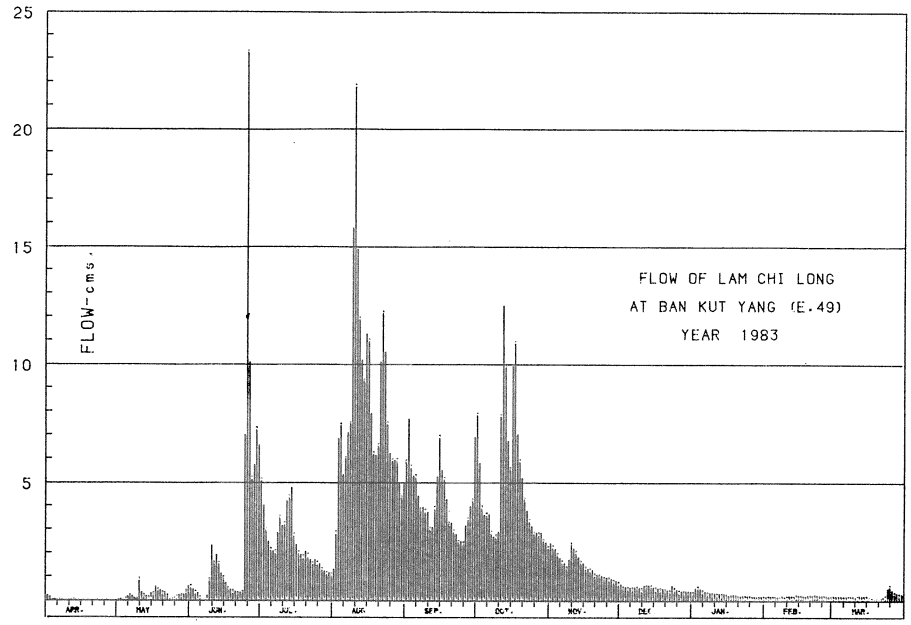
LAM CHI LONG AT BAN KUT YANG, CHAIYAPHUM (E.49)

LOCATION	LAT. 15°-49'-31" N., LONG. 101°-51'-01" E., ON LEFT BANK AT BAN KUT YANG, AMPHOE BAN KHWAO, CHAIYAPHUM.
DRAINAGE AREA	265 SQ.KM.
TYPE OF GAGE	WATER-STAGE RECORDER.
ZERO GAGE AT BOTTOM	+196.06 M.(M.S.L.)
BENCH MARK	B.M.-H.D.
LOCATION	IN THE VICINITY OF STATION OFFICE.
ELEVATION	+205.180 M.(M.S.L.)
GAGE READING FREQUENCY	RECORDING.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 24 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1967 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1967 - 1970, 1980 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1967 - 1970, 1980 TO DATE.
STABILITY OF CHANNEL REGIMES	STABLE.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS GOOD. STAGE-DISCHARGE RELATION DEFINED BY 124 DISCHARGE MEASUREMENTS MADE IN 1983.

GAGE HEIGHT IN METER (MSL), WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	199.32	199.11	199.63	201.25	199.90	201.50	201.99	200.33	199.65	199.49	199.28	199.29	
2	199.26	199.11	199.55	200.87	200.50	201.95	201.46	200.30	199.61	199.57	199.29	199.29	
3	199.14	199.13	199.51	200.55	201.77	201.43	200.86	200.24	199.60	199.61	199.29	199.28	
4	199.13	199.22	199.45	200.36	201.92	201.28	200.73	200.17	199.60	199.56	199.28	199.29	
5	199.13	199.28	199.29	200.26	201.30	201.30	200.76	200.09	199.59	199.53	199.28	199.28	
6	199.14	199.36	199.06	200.21	201.55	201.00	200.74	200.05	199.59	199.50	199.25	199.28	
7	199.11	199.31	199.05	200.22	201.83	200.83	200.50	200.00	199.60	199.47	199.25	199.28	
8	199.09	199.21	199.33	200.48	201.93	200.84	200.42	199.95	199.61	199.45	199.29	199.29	
9	199.08	199.23	199.74	200.72	202.70	200.81	200.45	200.06	199.58	199.44	199.27	199.28	
10	199.10	199.75	200.30	200.58	202.96	200.77	200.49	200.34	199.58	199.43	199.29	199.25	
11	199.15	199.47	200.03	200.63	202.65	200.56	201.98	200.25	199.63	199.42	199.31	199.30	
12	199.16	199.38	200.14	200.93	202.46	200.56	202.50	200.21	199.63	199.41	199.30	199.32	
13	199.17	199.30	200.02	201.01	202.30	200.85	202.28	200.10	199.63	199.41	199.30	199.29	
14	199.16	199.28	199.83	201.12	202.21	201.27	201.74	200.04	199.63	199.41	199.35	199.30	
15	199.09	199.43	199.78	200.47	202.40	201.80	201.40	200.00	199.59	199.37	199.34	199.30	
16	199.09	199.45	199.67	200.31	202.38	201.36	202.27	199.94	199.59	199.33	199.33	199.25	
17	199.09	199.60	199.59	200.20	201.99	201.26	202.37	199.91	199.57	199.34	199.31	199.19	
18	199.08	199.56	199.54	200.15	201.62	200.95	201.81	199.91	199.57	199.37	199.29	199.19	
19	199.08	199.53	199.53	200.13	201.57	200.63	201.51	199.89	199.56	199.34	199.33	199.17	
20	199.07	199.49	199.50	200.20	201.71	200.62	201.25	199.83	199.55	199.32	199.34	199.18	
21	199.09	199.47	199.47	200.16	202.29	200.52	200.97	199.81	199.53	199.29	199.33	199.21	
22	199.08	199.36	199.46	200.06	202.48	200.46	200.79	199.81	199.53	199.32	199.35	199.25	
23	199.06	199.18	199.51	200.02	202.33	200.37	200.67	199.79	199.62	199.32	199.34	199.32	
24	199.05	199.20	201.81	200.06	201.93	200.36	200.57	199.77	199.58	199.31	199.31	199.56	
25	199.05	199.24	203.01	200.03	201.60	200.35	200.49	199.76	199.54	199.30	199.32	199.63	
26	199.05	199.32	202.29	199.99	201.52	200.58	200.48	199.76	199.52	199.28	199.32	199.53	
27	199.01	199.35	201.27	199.92	201.50	200.69	200.48	199.74	199.51	199.27	199.31	199.47	
28	199.04	199.37	201.44	199.87	201.52	200.85	200.48	199.72	199.51	199.27	199.27	199.43	
29	199.05	199.37	201.89	199.85	201.17	200.96	200.39	199.71	199.51	199.27	199.29	199.40	
30	199.05	199.53	201.70	199.84	201.00	201.78	200.34	199.69	199.50	199.28		199.38	
31		199.61		199.83	201.17		200.29		199.50	199.29		199.38	
MEAN	199.11	199.36	200.15	200.33	201.81	200.95	201.08	199.97	199.57	199.39	199.30	199.32	
MAX	199.32	199.75	203.01	201.25	202.96	201.95	202.50	200.34	199.65	199.61	199.35	199.63	203.01
MIN	199.01	199.11	199.05	199.83	199.90	200.35	200.29	199.69	199.50	199.27	199.25	199.17	199.01

ANNUAL MAX MOMENTARY GAGE HEIGHT 203.16 M (MSL), AT 10.00 HOURS, ON JUN 25, 1983
ZERO GAGE AT BOTTOM ELEVATION 196.06 M (MSL), RIVER BED 198.75 M (MSL)
LEFT BANK ELEVATION 203.56 M (MSL)
RIGHT BANK ELEVATION 203.39 M (MSL), DRAINAGE AREA 265 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.22	0.06	0.67	5.20	1.35	5.95	7.94	2.44	0.72	0.39	0.18	0.19	
2	0.16	0.06	0.50	4.06	2.95	7.70	5.83	2.35	0.62	0.54	0.19	0.19	
3	0.07	0.07	0.42	3.10	6.88	5.74	4.03	2.20	0.60	0.62	0.19	0.18	
4	0.07	0.12	0.35	2.53	7.52	5.29	3.64	2.02	0.60	0.52	0.18	0.19	
5	0.07	0.18	0.19	2.25	5.35	5.35	3.73	1.82	0.58	0.46	0.18	0.18	
6	0.07	0.26	0.03	2.12	6.10	4.45	3.67	1.72	0.58	0.40	0.15	0.18	
7	0.06	0.21	0.03	2.15	7.12	3.94	2.95	1.60	0.60	0.37	0.15	0.18	
8	0.04	0.11	0.23	2.89	7.58	3.97	2.71	1.47	0.62	0.35	0.19	0.19	
9	0.04	0.13	0.95	3.61	15.80	3.88	2.80	1.75	0.56	0.34	0.17	0.18	
10	0.05	0.97	2.35	3.19	21.92	3.76	2.92	2.47	0.56	0.33	0.19	0.15	
11	0.07	0.37	1.67	3.34	14.90	3.13	7.88	2.22	0.67	0.32	0.21	0.20	
12	0.08	0.28	1.95	4.24	12.02	3.13	12.50	2.12	0.67	0.31	0.20	0.22	
13	0.09	0.20	1.65	4.48	10.20	4.00	10.02	1.85	0.67	0.31	0.20	0.19	
14	0.08	0.18	1.17	4.81	9.39	5.26	6.76	1.70	0.67	0.31	0.25	0.20	
15	0.04	0.33	1.05	2.86	11.30	7.00	5.65	1.60	0.58	0.27	0.24	0.20	
16	0.04	0.35	0.77	2.38	11.08	5.53	9.93	1.45	0.58	0.23	0.23	0.15	
17	0.04	0.60	0.58	2.10	7.94	5.23	10.97	1.37	0.54	0.24	0.21	0.10	
18	0.04	0.52	0.48	1.97	6.32	4.30	7.04	1.37	0.54	0.27	0.19	0.10	
19	0.04	0.46	0.46	1.93	6.16	3.34	5.98	1.32	0.52	0.24	0.23	0.09	
20	0.03	0.39	0.40	2.10	6.64	3.31	5.20	1.17	0.50	0.22	0.24	0.09	
21	0.04	0.37	0.37	2.00	10.11	3.01	4.36	1.12	0.46	0.19	0.23	0.11	
22	0.04	0.26	0.36	1.75	12.26	2.83	3.82	1.12	0.46	0.22	0.25	0.15	
23	0.03	0.09	0.42	1.65	10.53	2.56	3.46	1.07	0.65	0.22	0.24	0.22	
24	0.03	0.10	7.04	1.75	7.58	2.53	3.16	1.02	0.56	0.21	0.21	0.52	
25	0.03	0.14	23.35	1.67	6.25	2.50	2.92	1.00	0.48	0.20	0.22	0.67	
26	0.03	0.22	10.11	1.57	6.01	3.19	2.89	1.00	0.44	0.18	0.22	0.46	
27	0.00	0.25	5.26	1.40	5.95	3.52	2.89	0.95	0.42	0.17	0.21	0.37	
28	0.02	0.27	5.77	1.27	6.01	4.00	2.89	0.90	0.42	0.17	0.17	0.33	
29	0.03	0.27	7.36	1.22	4.96	4.33	2.62	0.87	0.42	0.17	0.19	0.30	
30	0.03	0.46	6.60	1.20	4.45	6.92	2.47	0.82	0.40	0.18		0.28	
31		0.62		1.17	4.96		2.32		0.40	0.19		0.28	
TOTAL	1.68	8.90	82.54	77.96	257.59	129.65	155.95	45.88	17.09	9.14	5.91	7.04	799.33 CMSDAY
MEAN	0.06	0.29	2.75	2.51	8.31	4.32	5.03	1.53	0.55	0.29	0.20	0.23	2.18 CMS
MAX	0.22	0.97	23.35	5.20	21.92	7.70	12.50	2.47	0.72	0.62	0.25	0.67	23.35 CMS
MIN	0.00	0.06	0.03	1.17	1.35	2.50	2.32	0.82	0.40	0.17	0.15	0.09	0.00 CMS
RUNOFF	0.145	0.769	7.131	6.736	22.256	11.202	13.474	3.964	1.477	0.790	0.511	0.608	69.062 MCM

MOMENTARY PEAK 29.02 CMS, AT 203.16 M (MSL), AT 10.00 HOURS, ON JUN 25, 1983
RUNOFF YIELD 8.24 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 109.51 LITERS/SECOND/SQUARE KM

WATER YEAR 1983

CHI RIVER BASIN

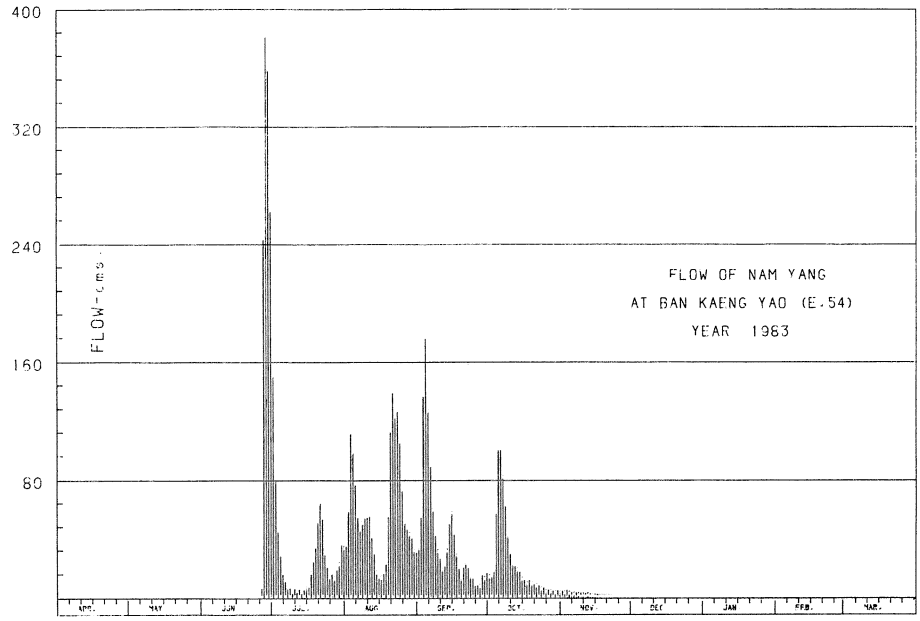
NAM YANG AT BAN KAENG YAO, KALASIN (E.54)

LOCATION	LAT. 16°-26'-29" N., LONG. 104°-02'-07" E., ON LEFT BANK AT BAN KAENG YAO ABOUT 2 KILOMETERS DOWNSTREAM FROM PROPOSED OF USBR DAMSITE, AMPHOE KUCHINARAI, KALASIN.
DRAINAGE AREA	1,511 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM	+0.00 M. (A.D.)
BENCH MARK	B.M.-H.D.
LOCATION	ON RIGHT BANK AT ABUTMENT OF THE BRIDGE.
ELEVATION	+11.648 M.(A.D.)
GAGE READING FREQUENCY	5-TIME DAILY READINGS AT 06.00, 09.00, 12.00, 15.00 AND 18.00 HOURS.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 5 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1969 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1969 - 1977, 1983 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1969 - 1977, 1983 TO DATE.
STABILITY OF CHANNEL REGIMES	STABLE.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS GOOD. STAGE-DISCHARGE RELATION DEFINED BY 209 DISCHARGE MEASUREMENTS MADE IN 1983.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.89	0.79	0.91	5.58	2.67	2.68	2.01	1.49	1.10	0.99	0.93	0.90	
2	0.99	0.78	0.92	3.83	3.33	3.19	1.94	1.52	1.10	0.98	0.94	0.92	
3	0.93	0.82	0.96	3.00	4.61	5.27	2.15	1.57	1.09	1.00	0.96	0.86	
4	0.96	0.87	0.92	2.44	4.33	6.10	3.25	1.48	1.08	1.00	0.98	0.90	
5	0.96	0.85	0.88	2.10	3.74	5.03	4.37	1.40	1.08	1.01	0.97	0.90	
6	1.05	0.89	0.83	1.83	3.25	4.05	4.33	1.38	1.07	1.00	0.95	0.85	
7	0.95	0.87	0.96	1.74	2.96	3.35	3.91	1.37	1.07	1.03	0.96	0.83	
8	0.89	0.88	1.06	1.64	3.13	2.88	3.38	1.39	1.07	1.03	0.95	0.87	
9	0.84	0.84	1.10	1.59	3.18	2.60	2.91	1.35	1.05	1.02	0.94	0.88	
10	0.83	0.82	1.04	1.62	3.26	2.38	2.49	1.33	1.05	0.98	0.94	0.88	
11	1.09	0.85	1.01	1.63	3.21	2.17	2.27	1.32	1.06	0.98	0.93	0.88	
12	1.11	0.83	0.98	1.60	2.91	2.20	2.20	1.35	1.04	0.97	0.91	0.84	
13	1.17	0.82	1.00	1.56	2.49	2.61	2.17	1.30	1.02	0.96	0.91	0.87	
14	0.98	0.80	0.97	1.55	2.10	3.08	2.07	1.31	1.01	0.97	0.91	0.84	
15	0.92	0.79	0.95	1.69	1.91	3.29	1.95	1.26	1.00	0.97	0.90	0.84	
16	0.87	0.83	0.90	1.67	1.98	2.90	1.87	1.22	1.02	0.95	0.94	0.84	
17	0.82	0.83	0.90	2.09	2.02	2.50	1.84	1.22	1.04	0.94	0.91	0.84	
18	0.81	0.81	0.91	2.30	2.33	2.14	1.87	1.21	1.08	0.95	0.89	0.85	
19	0.81	0.80	0.90	2.71	3.20	1.96	1.83	1.21	1.12	0.96	0.86	0.85	
20	0.82	0.79	0.87	3.10	4.69	2.17	1.76	1.22	1.08	0.95	0.89	0.92	
21	0.80	0.80	0.83	3.47	5.29	2.33	1.78	1.20	1.04	0.93	0.88	0.83	
22	0.80	0.79	0.81	3.16	4.93	2.16	1.73	1.18	1.03	1.00	0.86	0.83	
23	0.79	0.78	0.82	2.55	4.98	2.01	1.69	1.15	1.01	0.97	0.87	0.86	
24	0.83	0.78	0.81	2.17	4.50	1.91	1.66	1.13	1.01	0.96	0.91	0.83	
25	0.87	0.91	0.80	2.00	3.64	1.82	1.59	1.13	0.99	0.93	0.86	0.88	
26	0.84	0.87	1.63	2.01	3.13	1.73	1.58	1.15	1.02	0.91	0.87	0.90	
27	0.81	0.82	7.38	1.97	2.99	1.76	1.56	1.15	0.98	0.92	0.92	0.91	
28	0.79	0.82	8.67	2.11	2.94	1.99	1.51	1.13	0.99	0.95	0.89	0.88	
29	0.79	0.82	8.58	2.30	2.83	1.97	1.53	1.12	1.06	0.98	0.86	0.87	
30	0.81	0.86	7.63	2.70	2.60	2.04	1.53	1.11	1.06	0.96		0.83	
31		0.93		2.68	2.52		1.49		1.01	0.95		0.82	
MEAN	0.89	0.83	1.90	2.34	3.28	2.74	2.20	1.28	1.05	0.97	0.91	0.86	
MAX	1.17	0.93	8.67	5.58	5.29	6.10	4.37	1.57	1.12	1.03	0.98	0.92	8.67
MIN	0.79	0.78	0.80	1.55	1.91	1.73	1.49	1.11	0.98	0.91	0.86	0.82	0.78

ANNUAL MAX MOMENTARY GAGE HEIGHT 9.03 M (A.D), AT 18.00 HOURS, ON JUN 27, 1983
ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D), RIVER BED 0.32 M (A.D)
LEFT BANK ELEVATION 11.67 M (A.D)
RIGHT BANK ELEVATION 11.66 M (A.D), DRAINAGE AREA 1511 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.19	0.10	0.26	151.83	35.14	35.43	16.16	5.01	1.50	0.74	0.38	0.20	
2	0.74	0.09	0.32	80.20	60.20	54.60	14.15	5.28	1.50	0.68	0.44	0.32	
3	0.38	0.12	0.56	47.00	111.40	138.10	20.19	5.73	1.43	0.80	0.56	0.16	
4	0.56	0.17	0.32	28.53	100.20	176.00	57.00	4.92	1.36	0.80	0.68	0.20	
5	0.56	0.15	0.18	18.75	76.60	128.20	101.80	4.20	1.36	0.87	0.62	0.20	
6	1.15	0.19	0.13	11.25	57.00	89.00	100.20	4.02	1.29	0.80	0.50	0.15	
7	0.50	0.17	0.56	9.00	45.40	61.00	83.40	3.93	1.29	1.01	0.56	0.13	
8	0.19	0.18	1.22	6.80	52.20	42.30	62.20	4.11	1.29	1.01	0.50	0.17	
9	0.14	0.14	1.50	5.91	54.20	33.12	43.40	3.75	1.15	0.94	0.44	0.18	
10	0.13	0.12	1.08	6.40	57.40	26.80	29.96	3.57	1.15	0.68	0.44	0.18	
11	1.43	0.15	0.87	6.60	55.40	20.76	23.64	3.48	1.22	0.68	0.38	0.18	
12	1.59	0.13	0.68	6.00	43.40	21.63	21.63	3.75	1.08	0.62	0.26	0.14	
13	2.13	0.12	0.80	5.64	29.96	33.41	20.76	3.30	0.94	0.56	0.26	0.17	
14	0.68	0.10	0.62	5.55	18.75	50.20	17.89	3.39	0.87	0.62	0.26	0.14	
15	0.32	0.10	0.50	7.80	13.29	58.60	14.44	2.94	0.80	0.62	0.20	0.14	
16	0.17	0.13	0.20	7.40	15.30	43.00	12.25	2.58	0.94	0.50	0.44	0.14	
17	0.12	0.13	0.20	18.46	16.45	30.25	11.50	2.58	1.08	0.44	0.26	0.14	
18	0.11	0.11	0.26	24.50	25.36	19.90	12.25	2.49	1.36	0.50	0.19	0.15	
19	0.11	0.10	0.20	36.35	55.00	14.73	11.25	2.49	1.68	0.56	0.16	0.15	
20	0.12	0.10	0.17	51.00	114.60	20.76	9.50	2.58	1.36	0.50	0.19	0.32	
21	0.10	0.10	0.13	65.80	138.99	25.36	10.00	2.40	1.08	0.38	0.18	0.13	
22	0.10	0.10	0.11	53.40	124.20	20.48	8.75	2.22	1.01	0.80	0.16	0.13	
23	0.10	0.09	0.12	31.69	126.20	16.16	7.80	1.95	0.87	0.62	0.17	0.16	
24	0.13	0.09	0.11	20.76	107.00	13.29	7.20	1.77	0.87	0.56	0.26	0.13	
25	0.17	0.26	0.10	15.88	72.60	11.00	5.91	1.77	0.74	0.38	0.16	0.18	
26	0.14	0.17	6.60	16.16	52.20	8.75	5.82	1.95	0.94	0.26	0.17	0.20	
27	0.11	0.12	244.80	15.01	46.60	9.50	5.64	1.95	0.68	0.32	0.32	0.26	
28	0.10	0.12	380.80	19.04	44.60	15.59	5.19	1.77	0.74	0.50	0.19	0.18	
29	0.10	0.12	360.40	24.50	40.55	15.01	5.37	1.68	1.22	0.68	0.16	0.17	
30	0.11	0.16	262.10	36.00	33.12	17.02	5.37	1.59	1.22	0.56		0.13	
31		0.38		35.43	30.82		5.01		0.87	0.50		0.12	
TOTAL	12.48	4.31	1265.90	868.64	1854.13	1249.95	755.63	93.15	34.89	19.49	9.49	5.35	6173.41 CMSDAY
MEAN	0.42	0.14	42.20	28.02	59.81	41.67	24.38	3.10	1.13	0.63	0.33	0.17	16.87 CMS
MAX	2.13	0.38	380.80	151.83	138.99	176.00	101.80	5.73	1.68	1.01	0.68	0.32	380.80 CMS
MIN	0.10	0.09	0.10	5.55	13.29	8.75	5.01	1.59	0.68	0.26	0.16	0.12	0.09 CMS
RUNOFF	1.078	0.372	109.374	75.050	160.197	107.996	65.286	8.048	3.014	1.684	0.820	0.462	533.383 MCM

MOMENTARY PEAK 556.80 CMS, AT 9.03 M (A.D), AT 18.00 HOURS, ON JUN 27, 1983

RUNOFF YIELD 11.16 LITERS/SECOND/SQUARE KM. MOMENTARY PEAK YIELD 368.50 LITERS/SECOND/SQUARE KM

WATER YEAR 1983

CHI RIVER BASIN

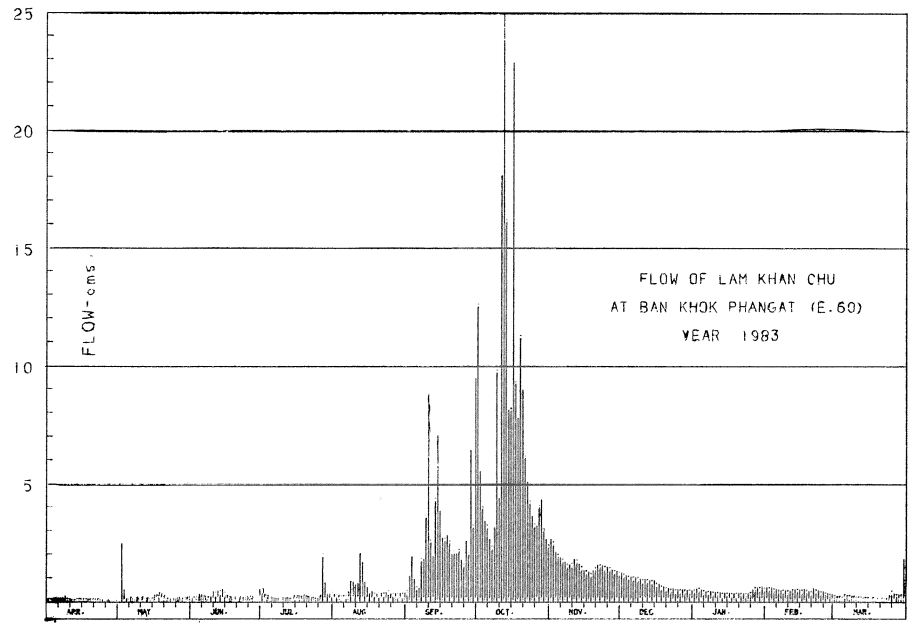
LAM KHAN CHU AT BAN KHOK PHANGAT, CHAIYAPHUM (E.60)

LOCATION	LAT. 15°-29'-14" N., LONG. 101°-33'-32" E., ON LEFT BANK ABOUT 500 METERS FROM BAN KHOK PHANGAT, AMPHOE BAMNET NARONG, CHAIYAPHUM.
DRAINAGE AREA	205 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM	+0.00 M. (A.D.)
BENCH MARK	B.M.-H.D.
LOCATION	ABOUT 8 METERS FROM THE TOP OF STAFF GAGE.
ELEVATION	+7.326 M. (A.D.)
GAGE READING FREQUENCY	5-TIME DAILY READINGS AT 06.00, 09.00, 12.00, 15.00 AND 18.00 HOURS.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 5 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1977 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1978 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1978 TO DATE.
STABILITY OF CHANNEL REGIMES	STABLE.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS GOOD. STAGE-DISCHARGE RELATION DEFINED BY 43 DISCHARGE MEASUREMENTS MADE IN 1983.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.66	0.60	0.67	0.99	0.85	0.95	3.39	1.67	1.22	0.96	1.01	0.80	
2	0.67	1.65	0.73	0.87	0.83	1.17	2.29	1.64	1.20	0.99	1.01	0.76	
3	0.67	0.97	0.68	0.81	0.82	1.50	1.99	1.51	1.18	1.00	1.01	0.76	
4	0.66	0.82	0.86	0.75	0.79	1.13	1.86	1.48	1.17	0.97	0.99	0.74	
5	0.66	0.77	0.79	0.74	0.81	1.02	1.82	1.43	1.16	0.95	0.98	0.83	
6	0.67	0.73	0.74	0.72	0.82	1.00	1.67	1.41	1.16	0.93	0.96	0.80	
7	0.71	0.72	0.71	0.69	0.93	1.42	1.59	1.37	1.15	0.93	0.95	0.80	
8	0.75	0.70	0.75	0.68	1.16	1.41	1.79	1.34	1.15	0.93	0.96	0.77	
9	0.68	0.67	0.92	0.67	1.09	1.92	2.99	1.33	1.13	0.92	0.95	0.76	
10	0.64	0.67	0.93	0.67	1.11	2.85	2.06	1.35	1.12	0.91	0.95	0.74	
11	0.62	0.67	0.92	0.67	1.07	1.66	4.00	1.41	1.13	0.91	0.94	0.73	
12	0.61	0.68	0.95	0.71	1.54	1.45	4.78	1.40	1.12	0.91	0.97	0.74	
13	0.65	0.67	0.95	0.68	1.37	2.06	3.80	1.34	1.11	0.89	0.97	0.70	
14	0.66	0.67	0.98	0.68	1.14	2.58	2.75	1.31	1.11	0.89	0.98	0.73	
15	0.66	0.65	0.91	0.77	1.02	1.98	2.76	1.25	1.11	0.89	0.97	0.71	
16	0.65	0.64	0.82	0.71	0.98	1.68	4.42	1.25	1.07	0.89	0.96	0.71	
17	0.65	0.84	0.76	0.79	0.94	1.68	2.92	1.23	1.06	0.87	0.98	0.71	
18	0.63	0.90	0.73	0.76	0.89	1.71	2.70	1.21	1.03	0.88	0.96	0.69	
19	0.65	0.81	0.71	0.81	0.87	1.65	3.20	1.25	1.02	0.88	0.93	0.67	
20	0.65	0.75	0.70	0.80	0.90	1.48	2.87	1.29	1.01	0.90	0.93	0.69	
21	0.65	0.71	0.74	0.77	0.90	1.53	2.42	1.33	1.00	0.88	1.00	0.70	
22	0.64	0.69	0.75	0.74	0.89	1.49	2.20	1.33	0.98	0.87	0.97	0.68	
23	0.62	0.67	0.70	0.72	0.91	1.55	2.04	1.32	0.99	0.87	0.95	0.67	
24	0.60	0.66	0.68	0.73	0.95	1.40	1.91	1.31	0.97	0.87	0.93	0.82	
25	0.60	0.67	0.67	0.68	0.88	1.34	1.83	1.30	0.97	0.91	0.93	0.95	
26	0.60	0.66	0.78	0.82	0.87	1.65	1.81	1.29	0.97	0.97	0.90	0.88	
27	0.59	0.71	0.76	1.49	0.87	1.51	2.00	1.26	0.97	1.01	0.89	0.85	
28	0.59	0.74	0.72	1.08	0.86	2.47	2.05	1.25	0.96	1.01	0.85	0.84	
29	0.59	0.71	0.74	0.94	0.89	1.82	1.78	1.24	0.96	1.01	0.84	0.83	
30	0.59	0.69	0.98	0.86	0.88	2.94	1.67	1.23	0.96	1.02		1.41	
31		0.67		0.91	0.90		1.61		0.95	1.00		1.20	
MEAN	0.64	0.75	0.79	0.80	0.96	1.67	2.48	1.34	1.07	0.93	0.95	0.80	
MAX	0.75	1.65	0.98	1.49	1.54	2.94	4.78	1.67	1.22	1.02	1.01	1.41	4.78
MIN	0.59	0.60	0.67	0.67	0.79	0.95	1.59	1.21	0.95	0.87	0.84	0.67	0.59

ANNUAL MAX MOMENTARY GAGE HEIGHT 4.87 M (A.D), AT 6.00 HOURS, ON OCT 12, 1983
ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D), RIVER BED 0.56 M (A.D)
LEFT BANK ELEVATION 7.59 M (A.D)
RIGHT BANK ELEVATION 7.01 M (A.D), DRAINAGE AREA 205 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.16	0.10	0.17	0.58	0.35	0.50	12.63	2.68	1.26	0.52	0.63	0.30	
2	0.17	2.60	0.23	0.37	0.33	1.11	5.55	2.56	1.20	0.58	0.63	0.26	
3	0.17	0.54	0.18	0.31	0.32	2.10	4.05	2.13	1.14	0.60	0.63	0.26	
4	0.16	0.32	0.36	0.25	0.29	0.99	3.44	2.04	1.11	0.54	0.58	0.24	
5	0.16	0.27	0.29	0.24	0.31	0.66	3.28	1.89	1.08	0.50	0.56	0.33	
6	0.17	0.23	0.24	0.22	0.32	0.60	2.68	1.83	1.08	0.46	0.52	0.30	
7	0.21	0.22	0.21	0.19	0.46	1.86	2.37	1.71	1.05	0.46	0.50	0.30	
8	0.25	0.20	0.25	0.18	1.08	1.83	3.16	1.62	1.05	0.46	0.52	0.27	
9	0.18	0.17	0.44	0.17	0.87	3.70	9.83	1.59	0.99	0.44	0.50	0.26	
10	0.14	0.17	0.46	0.17	0.93	8.85	4.40	1.65	0.96	0.42	0.50	0.24	
11	0.12	0.17	0.44	0.17	0.81	2.64	18.20	1.83	0.99	0.42	0.48	0.23	
12	0.11	0.18	0.50	0.21	2.22	1.95	27.44	1.80	0.96	0.42	0.54	0.24	
13	0.15	0.17	0.50	0.18	1.71	4.40	16.20	1.62	0.93	0.39	0.54	0.20	
14	0.16	0.17	0.56	0.18	1.02	7.08	8.15	1.53	0.93	0.39	0.56	0.23	
15	0.16	0.15	0.42	0.27	0.66	4.00	8.22	1.35	0.93	0.39	0.54	0.21	
16	0.15	0.14	0.32	0.21	0.56	2.72	22.88	1.35	0.81	0.39	0.52	0.21	
17	0.15	0.34	0.26	0.29	0.48	2.72	9.34	1.29	0.78	0.37	0.56	0.21	
18	0.13	0.40	0.23	0.26	0.39	2.84	7.80	1.23	0.69	0.38	0.52	0.19	
19	0.15	0.31	0.21	0.31	0.37	2.60	11.30	1.35	0.66	0.38	0.46	0.17	
20	0.15	0.25	0.20	0.30	0.40	2.04	8.99	1.47	0.63	0.40	0.46	0.19	
21	0.15	0.21	0.24	0.27	0.40	2.19	6.20	1.59	0.60	0.38	0.60	0.20	
22	0.14	0.19	0.25	0.24	0.39	2.07	5.10	1.59	0.56	0.37	0.54	0.18	
23	0.12	0.17	0.20	0.22	0.42	2.25	4.30	1.56	0.58	0.37	0.50	0.17	
24	0.10	0.16	0.18	0.23	0.50	1.80	3.65	1.53	0.54	0.37	0.46	0.32	
25	0.10	0.17	0.17	0.18	0.38	1.62	3.32	1.50	0.54	0.42	0.46	0.50	
26	0.10	0.16	0.28	0.32	0.37	2.60	3.24	1.47	0.54	0.54	0.40	0.38	
27	0.09	0.21	0.26	2.07	0.37	2.13	4.10	1.38	0.54	0.63	0.39	0.35	
28	0.09	0.24	0.22	0.84	0.36	6.45	4.35	1.35	0.52	0.63	0.35	0.34	
29	0.09	0.21	0.24	0.48	0.39	3.28	3.12	1.32	0.52	0.63	0.34	0.33	
30	0.09	0.19	0.56	0.36	0.38	9.48	2.68	1.29	0.52	0.66		1.83	
31		0.17		0.42	0.40		2.44		0.50	0.60		1.20	
TOTAL	4.27	9.18	9.07	10.69	18.24	89.06	232.41	49.10	25.19	14.51	14.79	10.64	487.15 CMSDAY
MEAN	0.14	0.30	0.30	0.34	0.59	2.97	7.50	1.64	0.81	0.47	0.51	0.34	1.33 CMS
MAX	0.25	2.60	0.56	2.07	2.22	9.48	27.44	2.68	1.26	0.66	0.63	1.83	27.44 CMS
MIN	0.09	0.10	0.17	0.17	0.29	0.50	2.37	1.23	0.50	0.37	0.34	0.17	0.09 CMS
RUNOFF	0.369	0.793	0.784	0.924	1.576	7.695	20.080	4.242	2.176	1.254	1.278	0.919	42.090 MCM

MOMENTARY PEAK 28.68 CMS, AT 4.87 M (A.D), AT 6.00 HOURS, ON OCT 12, 1983

RUNOFF YIELD 6.49 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 139.90 LITERS/SECOND/SQUARE KM

WATER YEAR 1983

CHI RIVER BASIN

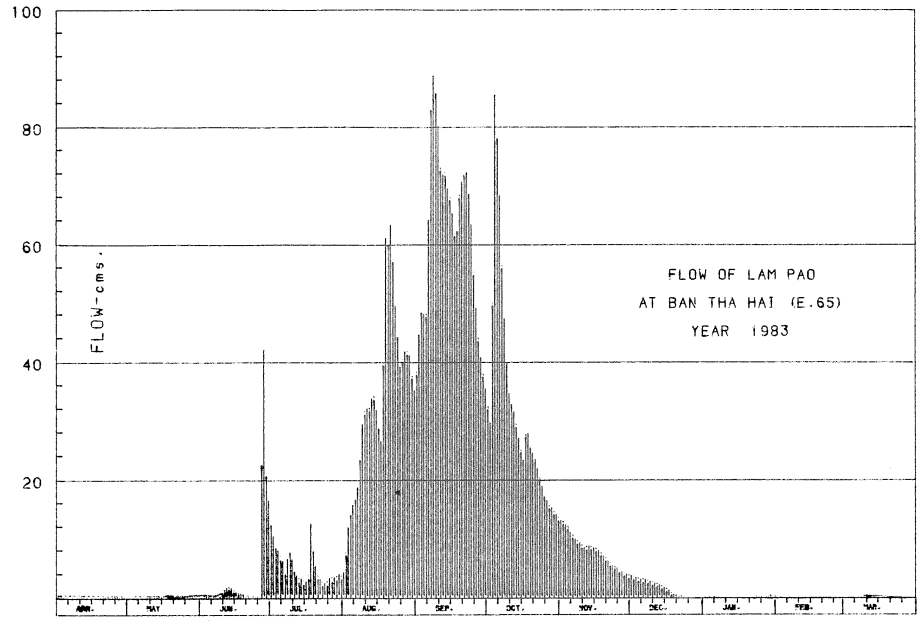
LAM PAO AT BAN THA HAI, UDON THANI (E.65)

LOCATION	LAT. 16°-56'-54" N., LONG. 103°-10'-16" E., ON LEFT BANK AT THE BRIDGE ON HIGHWAY, BAN THA HAI, AMPHOE SI THAT, UDON THANI.
DRAINAGE AREA	1,949 SQ.KM.
TYPE OF GAGE	WATER-STAGE RECORDER.
ZERO GAGE AT BOTTOM	+0.00 M.(A.D.)
BENCH MARK	B.M.-H.D.
LOCATION	ON LEFT BANK AT THE ABUTMENT OF THE BRIDGE.
ELEVATION	+10.695 M.(A.D.)
GAGE READING FREQUENCY	RECORDING.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 24 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1983 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1983 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1983 TO DATE.
STABILITY OF CHANNEL REGIMES	STABLE.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS GOOD. STREAM GAGING BEGAN ON APR.1, 1983. STAGE-DISCHARGE RELATION DEFINED BY 156 DISCHARGE MEASUREMENTS MADE IN 1983.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	1.75	1.66	1.81	3.31	2.65	4.36	4.16	3.32	2.59	1.56	1.61	1.41	
2	1.75	1.66	1.81	3.16	2.96	4.56	4.06	3.31	2.56	1.56	1.58	1.41	
3	1.75	1.66	1.81	3.07	3.25	4.68	4.71	3.28	2.54	1.56	1.55	1.41	
4	1.75	1.67	1.79	3.00	3.39	4.66	5.64	3.26	2.52	1.58	1.52	1.42	
5	1.74	1.67	1.77	2.91	3.45	4.66	5.47	3.20	2.49	1.58	1.50	1.42	
6	1.74	1.67	1.77	2.85	3.52	5.10	5.21	3.17	2.49	1.59	1.51	1.49	
7	1.74	1.66	1.77	2.69	3.60	5.59	4.89	3.13	2.48	1.57	1.50	1.51	
8	1.73	1.69	1.82	2.88	3.83	5.72	4.64	3.11	2.45	1.54	1.49	1.52	
9	1.73	1.69	1.89	3.01	4.05	5.66	4.41	3.09	2.42	1.53	1.47	1.56	
10	1.73	1.68	1.92	2.87	4.13	5.51	4.24	3.06	2.38	1.53	1.45	1.53	
11	1.72	1.68	2.06	2.73	4.15	5.33	4.19	3.03	2.35	1.53	1.46	1.50	
12	1.72	1.68	2.16	2.59	4.15	5.30	4.13	3.04	2.32	1.53	1.48	1.50	
13	1.71	1.68	2.18	2.52	4.21	5.31	4.05	3.05	2.27	1.54	1.47	1.50	
14	1.71	1.67	2.14	2.51	4.22	5.24	3.96	3.04	2.23	1.54	1.49	1.48	
15	1.70	1.65	2.05	2.44	4.14	5.20	3.88	3.03	2.17	1.55	1.48	1.48	
16	1.70	1.67	1.96	2.41	4.04	5.13	3.81	3.02	2.11	1.57	1.47	1.46	
17	1.69	1.75	1.91	2.58	3.94	5.04	3.98	3.00	2.04	1.59	1.44	1.44	
18	1.69	1.77	1.86	3.29	4.41	5.05	3.99	2.96	1.91	1.61	1.45	1.43	
19	1.68	1.77	1.81	3.02	5.02	5.21	3.91	2.92	1.80	1.61	1.45	1.42	
20	1.68	1.75	1.77	2.77	5.00	5.27	3.86	2.89	1.72	1.60	1.46	1.42	
21	1.67	1.74	1.72	2.57	5.08	5.31	3.81	2.85	1.70	1.63	1.45	1.43	
22	1.67	1.74	1.69	2.49	4.92	5.31	3.75	2.82	1.68	1.63	1.45	1.48	
23	1.67	1.73	1.68	2.40	4.70	5.23	3.68	2.78	1.66	1.61	1.44	1.51	
24	1.67	1.73	1.67	2.35	4.56	5.08	3.61	2.76	1.64	1.59	1.45	1.53	
25	1.68	1.72	1.66	2.41	4.39	4.86	3.54	2.74	1.62	1.58	1.44	1.56	
26	1.68	1.72	1.68	2.52	4.43	4.69	3.49	2.71	1.60	1.58	1.44	1.52	
27	1.67	1.75	3.79	2.53	4.47	4.54	3.44	2.67	1.61	1.60	1.43	1.47	
28	1.67	1.77	4.48	2.54	4.47	4.44	3.43	2.64	1.62	1.64	1.42	1.44	
29	1.67	1.79	3.72	2.56	4.45	4.35	3.39	2.62	1.61	1.67	1.42	1.41	
30	1.67	1.79	3.49	2.62	4.34	4.27	3.37	2.59	1.58	1.66		1.39	
31		1.79		2.57	4.26		3.34		1.56	1.64		1.39	
MEAN	1.70	1.71	2.12	2.72	4.13	5.02	4.07	2.97	2.06	1.58	1.47	1.47	
MAX	1.75	1.79	4.48	3.31	5.08	5.72	5.64	3.32	2.59	1.67	1.61	1.56	5.72
MIN	1.67	1.65	1.66	2.35	2.65	4.27	3.34	2.59	1.56	1.53	1.42	1.39	1.39

ANNUAL MAX MOMENTARY GAGE HEIGHT 5.73 M (A.D), AT 22.00 HOURS, ON SEP 8, 1983
ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D), RIVER BED M (A.D)
LEFT BANK ELEVATION 10.47 M (A.D)
RIGHT BANK ELEVATION 10.45 M (A.D), DRAINAGE AREA 1949 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.50	0.32	0.63	13.00	4.40	38.32	32.48	13.20	3.93	0.12	0.22	0.01	
2	0.50	0.32	0.63	10.56	7.72	44.72	29.76	13.00	3.72	0.12	0.16	0.01	
3	0.50	0.32	0.63	9.18	12.00	48.88	49.96	12.48	3.58	0.12	0.10	0.01	
4	0.50	0.34	0.58	8.20	14.60	48.16	85.48	12.16	3.44	0.16	0.05	0.01	
5	0.48	0.34	0.54	7.12	15.80	48.16	78.60	11.20	3.25	0.16	0.01	0.01	
6	0.48	0.34	0.54	6.40	17.20	64.20	68.39	10.72	3.25	0.18	0.03	0.01	
7	0.48	0.32	0.54	4.72	18.80	83.40	56.44	10.08	3.20	0.14	0.01	0.03	
8	0.46	0.38	0.66	6.76	23.92	88.84	47.44	9.76	3.05	0.09	0.01	0.05	
9	0.46	0.38	0.87	8.34	29.50	86.32	39.92	9.46	2.90	0.07	0.01	0.12	
10	0.46	0.36	0.96	6.64	31.64	80.20	34.72	9.04	2.72	0.07	0.01	0.07	
11	0.44	0.36	1.44	5.10	32.20	73.07	33.32	8.62	2.60	0.07	0.01	0.01	
12	0.44	0.36	1.84	3.93	32.20	71.90	31.64	8.76	2.48	0.07	0.01	0.01	
13	0.42	0.36	1.92	3.44	33.88	72.29	29.50	8.90	2.28	0.09	0.01	0.01	
14	0.42	0.34	1.76	3.37	34.16	69.56	27.16	8.76	2.12	0.09	0.01	0.01	
15	0.40	0.30	1.40	3.00	31.92	68.00	25.12	8.62	1.88	0.10	0.01	0.01	
16	0.40	0.34	1.08	2.85	29.24	65.34	23.44	8.48	1.64	0.14	0.01	0.01	
17	0.38	0.50	0.93	3.86	26.64	61.92	27.68	8.20	1.36	0.18	0.01	0.01	
18	0.38	0.54	0.78	12.64	39.92	62.30	27.94	7.72	0.93	0.22	0.01	0.01	
19	0.36	0.54	0.63	8.48	61.16	68.39	25.86	7.24	0.60	0.22	0.01	0.01	
20	0.36	0.50	0.54	5.50	60.40	70.73	24.64	6.88	0.44	0.20	0.01	0.01	
21	0.34	0.48	0.44	3.79	63.44	72.29	23.44	6.40	0.40	0.26	0.01	0.01	
22	0.34	0.48	0.38	3.25	57.52	72.29	22.00	6.04	0.36	0.26	0.01	0.01	
23	0.34	0.46	0.36	2.80	49.60	69.17	20.40	5.60	0.32	0.22	0.01	0.03	
24	0.34	0.46	0.34	2.60	44.72	63.44	19.00	5.40	0.28	0.18	0.01	0.07	
25	0.36	0.44	0.32	2.85	39.28	55.36	17.60	5.20	0.24	0.16	0.01	0.12	
26	0.36	0.44	0.36	3.44	40.56	49.24	16.60	4.90	0.20	0.16	0.01	0.05	
27	0.34	0.50	22.96	3.51	41.84	44.08	15.60	4.56	0.22	0.20	0.01	0.01	
28	0.34	0.54	42.16	3.58	41.84	40.88	15.40	4.32	0.24	0.28	0.01	0.01	
29	0.34	0.58	21.28	3.72	41.20	38.00	14.60	4.16	0.22	0.34	0.01	0.01	
30	0.34	0.58	16.60	4.16	37.68	35.56	14.20	3.93	0.16	0.32		0.00	
31		0.58		3.79	35.28		13.60		0.12	0.28		0.00	
TOTAL	12.26	13.10	124.10	170.58	1050.26	1855.01	991.93	243.79	52.13	5.27	0.80	0.75	4519.98 CMSDAY
MEAN	0.41	0.42	4.14	5.50	33.88	61.83	32.00	8.13	1.68	0.17	0.03	0.02	12.35 CMS
MAX	0.50	0.58	42.16	13.00	63.44	88.84	85.48	13.20	3.93	0.34	0.22	0.12	88.84 CMS
MIN	0.34	0.30	0.32	2.60	4.40	35.56	13.60	3.93	0.12	0.07	0.01	0.00	0.00 CMS
RUNOFF	1.059	1.132	10.722	14.738	90.742	160.273	85.703	21.063	4.504	0.455	0.069	0.065	390.526 MCM

MOMENTARY PEAK 89.26 CMS, AT 5.73 M (A.D), AT 22.00 HOURS, ON SEP 8, 1983

RUNOFF YIELD 6.34 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 45.80 LITERS/SECOND/SQUARE KM

WATER YEAR 1983

MUN RIVER BASIN

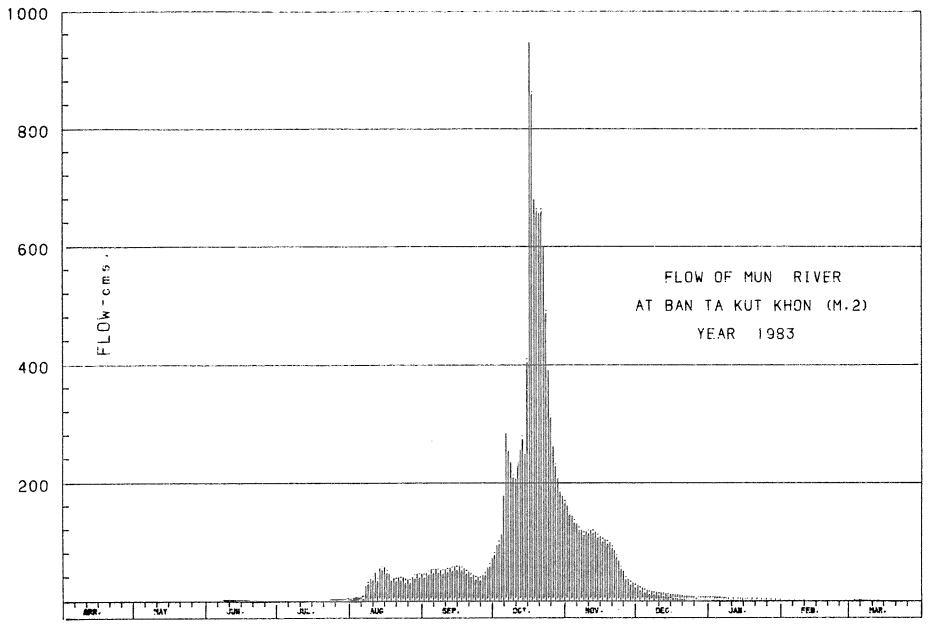
MUN RIVER AT BAN TA KUT KHON, NAKHON RATCHASIMA (M.2)

LOCATION	LAT. 15°-00'-03" N., LONG. 105°-15'-57" E., ON RIGHT BANK AT ABOUT 100 METERS WEST OF BAN THA CHANG SCHOOL, AND ABOUT 30 METERS SOUTH OF PUMPING RAILWAY STATION, AMPHOE CHAKKARAT, NAKHON RATCHASIMA.
DRAINAGE AREA	4,800 SQ.KM.
TYPE OF GAGE	WATER-STAGE RECORDER.
ZERO GAGE AT BOTTOM	+157.85 M.(M.S.L.)
BENCH MARK	B.M.-H.D.
LOCATION	NEAR THE AUTOMATIC GAGE BUILDING.
ELEVATION	+165.802 M.(M.S.L.)
GAGE READING FREQUENCY	RECORDING.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 24 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1950 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1960, 1969-1971, 1982 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1960, 1969-1971, 1982 TO DATE.
STABILITY OF CHANNEL REGIMES	STABLE.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS GOOD. FLOW EFFECTED BY THE TEMPORARY WEIR SINCE APR.1-MAY 4, 1982. STAGE-DISCHARGE RELATION DEFINED BY 100 DISCHARGE MEASUREMENTS MADE IN 1983.

GAGE HEIGHT IN METER (MSL), WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	159.23	159.11	159.05	159.12	159.78	162.45	163.88	165.60	161.52	160.22	159.71	159.57	
2	159.21	159.11	159.06	159.12	159.98	162.51	164.36	165.50	161.39	160.23	159.73	159.57	
3	159.21	159.11	159.05	159.11	160.14	162.63	164.66	165.41	161.29	160.19	159.69	159.56	
4	159.21	159.11	159.05	159.10	160.07	162.76	164.95	165.32	161.21	160.17	159.66	159.56	
5	159.19	159.11	159.04	159.07	160.09	162.76	165.81	165.22	161.13	160.20	159.69	159.56	
6	159.17	159.11	159.04	159.05	160.53	162.77	166.22	165.14	161.06	160.09	159.58	159.51	
7	159.16	159.10	159.04	159.05	161.48	162.77	166.15	165.07	161.02	160.07	159.50	159.46	
8	159.15	159.09	159.01	159.05	161.83	162.68	166.07	165.03	160.97	160.06	159.55	159.45	
9	159.15	159.08	159.03	159.06	162.07	162.71	165.98	165.03	160.92	160.06	159.56	159.40	
10	159.15	159.07	159.06	159.09	162.28	162.76	165.94	165.06	160.87	160.02	159.54	159.40	
11	159.15	159.06	159.10	159.11	162.52	162.81	166.07	165.06	160.86	160.00	159.53	159.41	
12	159.15	159.05	159.10	159.11	162.13	162.85	166.14	165.07	160.82	159.97	159.50	159.41	
13	159.15	159.04	159.14	159.10	162.82	162.92	166.21	165.02	160.78	159.97	159.46	159.34	
14	159.15	159.04	159.15	159.09	162.94	162.95	166.12	164.95	160.76	159.96	159.47	159.32	
15	159.15	159.04	159.15	159.09	162.90	162.97	166.49	164.89	160.69	159.93	159.45	159.35	
16	159.15	159.04	159.13	159.16	162.69	162.97	167.15	164.83	160.62	159.92	159.44	159.39	
17	159.14	159.04	159.12	159.31	162.44	162.91	167.08	164.76	160.62	159.93	159.43	159.36	
18	159.13	159.05	159.11	159.30	162.22	162.81	166.89	164.68	160.62	159.93	159.44	159.34	
19	159.13	159.06	159.11	159.31	162.13	162.68	166.87	164.54	160.56	159.92	159.48	159.34	
20	159.13	159.06	159.11	159.35	162.16	162.58	166.86	164.32	160.50	159.89	159.51	159.34	
21	159.13	159.05	159.11	159.36	162.19	162.48	166.87	164.03	160.42	159.90	159.49	159.33	
22	159.14	159.04	159.10	159.33	162.23	162.35	166.79	163.71	160.37	159.87	159.52	159.32	
23	159.14	159.03	159.07	159.30	162.20	162.27	166.63	163.32	160.37	159.85	159.48	159.35	
24	159.11	159.03	159.08	159.29	162.09	162.23	166.45	162.94	160.38	159.83	159.47	159.32	
25	159.09	159.03	159.08	159.36	162.01	162.23	166.29	162.61	160.31	159.82	159.50	159.28	
26	159.09	159.05	159.08	159.55	162.06	162.33	166.16	162.24	159.96	159.81	159.52	159.27	
27	159.09	159.05	159.11	159.60	162.24	162.55	166.06	162.04	160.24	159.81	159.55	159.26	
28	159.09	159.05	159.13	159.58	162.40	162.85	165.94	161.88	160.25	159.77	159.52	159.28	
29	159.09	159.05	159.14	159.59	162.46	163.15	165.84	161.72	160.25	159.76	159.51	159.28	
30	159.10	159.05	159.13	159.53	162.45	163.48	165.75	161.63	160.22	159.76		159.27	
31		159.05		159.83	162.43		165.68		160.22	159.70		159.31	
MEAN	159.14	159.06	159.09	159.26	161.87	162.71	166.08	164.22	160.68	159.96	159.53	159.38	
MAX	159.23	159.11	159.15	159.83	162.94	163.48	167.15	165.60	161.52	160.23	159.73	159.57	167.15
MIN	159.09	159.03	159.01	159.05	159.78	162.23	163.88	161.63	159.96	159.70	159.43	159.26	159.01

ANNUAL MAX MOMENTARY GAGE HEIGHT 167.25 M (MSL), AT 20.00 HOURS, ON OCT 16, 1983
ZERO GAGE AT BOTTOM ELEVATION 157.85 M (MSL), RIVER BED 159.15 M (MSL)
LEFT BANK ELEVATION 169.77 M (MSL)
RIGHT BANK ELEVATION 169.74 M (MSL), DRAINAGE AREA 4800 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.0	0.0	0.0	0.0	3.0	46.3	82.0	161.0	26.4	6.6	2.5	1.4	
2	0.0	0.0	0.0	0.0	4.6	47.8	94.0	150.0	23.8	6.6	2.6	1.4	
3	0.0	0.0	0.0	0.0	5.9	50.8	101.5	143.7	21.8	6.3	2.3	1.3	
4	0.0	0.0	0.0	0.0	5.4	54.0	112.5	137.4	20.2	6.2	2.1	1.3	
5	0.0	0.0	0.0	0.0	5.5	54.0	184.7	130.4	18.6	6.4	2.3	1.3	
6	0.0	0.0	0.0	0.0	9.3	54.3	284.0	124.8	17.2	5.5	1.4	0.9	
7	0.0	0.0	0.0	0.0	25.6	54.3	258.5	119.9	16.4	5.4	0.8	0.6	
8	0.0	0.0	0.0	0.0	32.6	52.0	234.5	117.1	15.6	5.3	1.2	0.6	
9	0.0	0.0	0.0	0.0	37.4	52.8	213.6	117.1	14.8	5.3	1.3	0.4	
10	0.0	0.0	0.0	0.0	42.0	54.0	206.8	119.2	14.1	5.0	1.1	0.4	
11	0.0	0.0	0.0	0.0	48.0	55.3	234.5	119.2	13.9	4.8	1.0	0.4	
12	0.0	0.0	0.0	0.0	38.6	56.3	255.2	119.9	13.3	4.6	0.8	0.4	
13	0.0	0.0	0.0	0.0	55.5	58.0	279.5	116.4	12.7	4.6	0.6	0.2	
14	0.0	0.0	0.0	0.0	58.5	58.8	248.6	112.5	12.4	4.5	0.7	0.1	
15	0.0	0.0	0.0	0.0	57.5	59.3	410.0	109.5	11.3	4.2	0.6	0.2	
16	0.0	0.0	0.0	0.0	52.3	59.3	946.5	106.5	10.3	4.2	0.6	0.4	
17	0.0	0.0	0.0	0.0	46.0	57.8	863.0	104.0	10.3	4.2	0.5	0.2	
18	0.0	0.0	0.0	0.0	40.5	55.3	680.0	102.0	10.3	4.2	0.6	0.2	
19	0.0	0.0	0.0	0.0	38.6	52.0	664.0	98.5	9.6	4.2	0.7	0.2	
20	0.0	0.0	0.0	0.2	39.2	49.5	656.0	93.0	9.0	3.9	0.9	0.2	
21	0.0	0.0	0.0	0.2	39.8	47.0	664.0	85.7	8.2	4.0	0.8	0.1	
22	0.0	0.0	0.0	0.1	40.8	43.8	601.0	77.8	7.8	3.8	1.0	0.1	
23	0.0	0.0	0.0	0.0	40.0	41.8	491.8	68.0	7.8	3.6	0.7	0.2	
24	0.0	0.0	0.0	0.0	37.8	40.8	390.0	58.5	7.8	3.4	0.7	0.1	
25	0.0	0.0	0.0	0.2	36.2	40.8	315.5	50.3	7.3	3.4	0.8	0.0	
26	0.0	0.0	0.0	1.2	37.2	43.3	261.8	41.0	4.5	3.3	1.0	0.0	
27	0.0	0.0	0.0	1.6	41.0	48.8	232.0	36.8	6.7	3.3	1.2	0.0	
28	0.0	0.0	0.0	1.4	45.0	56.3	206.8	33.6	6.8	3.0	1.0	0.0	
29	0.0	0.0	0.0	1.5	46.5	63.8	189.8	30.4	6.8	2.9	0.9	0.0	
30	0.0	0.0	0.0	1.0	46.3	72.0	177.5	28.6	6.6	2.9		0.0	
31		0.0		3.4	45.8		169.8		6.6	2.4		0.0	
TOTAL	0.0	0.0	0.0	10.8	1102.4	1580.3	10709.4	2912.8	378.9	138.0	32.7	12.6	16877.9 CMSDAY
MEAN	0.0	0.0	0.0	0.3	35.6	52.7	345.5	97.1	12.2	4.5	1.1	0.4	46.1 CMS
MAX	0.0	0.0	0.0	3.4	58.5	72.0	946.5	161.0	26.4	6.6	2.6	1.4	946.5 CMS
MIN	0.0	0.0	0.0	0.0	3.0	40.8	82.0	28.6	4.5	2.4	0.5	0.0	0.0 CMS
RUNOFF	0.00	0.00	0.00	0.93	95.25	136.54	925.29	251.67	32.74	11.92	2.83	1.09	1458.25 MCM

MOMENTARY PEAK 1074.00 CMS, AT 167.25 M (MSL), AT 20.00 HOURS, ON OCT 16, 1983
RUNOFF YIELD 9.61 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 223.75 LITERS/SECOND/SQUARE KM

WATER YEAR 1983

MUN RIVER BASIN

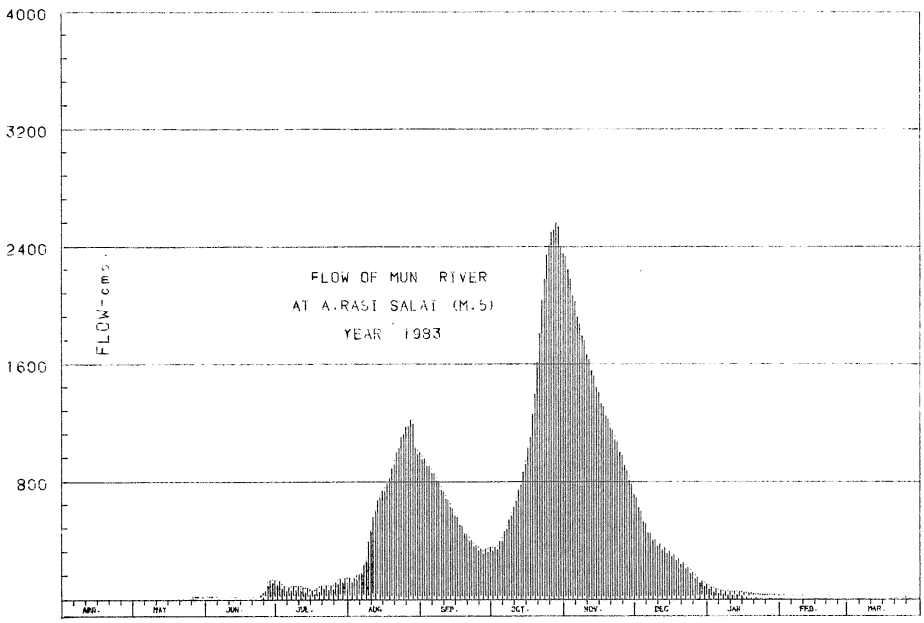
MUN RIVER AT RASI SALAI, SI SA KET (M.5)

LOCATION	LAT. 15-20-16 N., LONG. 103-09-29 E., ON LEFT BANK INFRONT OF AMPHOE RASI SALAI OFFICE, SI SA KET.
DRAINAGE AREA	44,275 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM	+110.00 M. (M.S.L.)
BENCH MARK	B.M. OF ARMY SURVEY DEPARTMENT NO.801
LOCATION	EAST OF STAFF GAGE BEHIND AMPHOE RASI SALAI OFFICE.
ELEVATION	+123.156 M. (M.S.L.)
GAGE READING FREQUENCY	5-TIME DAILY READINGS AT 06.00, 09.00, 12.00, 15.00 AND 18.00 HOURS.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 5 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1955 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1972 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1972 TO DATE.
STABILITY OF CHANNEL REGIMES	FAIRLY STABLE.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS GOOD. STAGE-DISCHARGE RELATION DEFINED BY 147 DISCHARGE MEASUREMENTS MADE IN 1983.

GAGE HEIGHT IN METER (MSL), WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	110.15	110.10	110.52	111.84	111.98	118.05	113.80	120.67	116.40	111.46	110.64	110.39	
2	110.15	110.13	110.51	111.76	111.97	117.96	113.79	120.64	116.09	111.35	110.64	110.38	
3	110.14	110.19	110.50	111.58	111.95	117.85	113.89	120.60	115.74	111.30	110.63	110.38	
4	110.14	110.21	110.48	111.43	112.11	117.72	114.13	120.54	115.40	111.25	110.62	110.37	
5	110.14	110.21	110.47	111.39	112.19	117.59	114.33	120.50	115.14	111.18	110.61	110.37	
6	110.13	110.19	110.45	111.35	112.50	117.44	114.63	120.43	114.80	111.12	110.60	110.37	
7	110.13	110.18	110.42	111.40	112.78	117.27	114.89	120.36	114.60	111.05	110.59	110.37	
8	110.12	110.17	110.41	111.45	113.21	117.09	115.19	120.29	114.39	111.00	110.58	110.37	
9	110.11	110.18	110.48	111.45	114.11	116.91	115.48	120.22	114.22	111.00	110.57	110.36	
10	110.10	110.18	110.48	111.44	114.80	116.71	115.71	120.13	114.09	111.00	110.59	110.35	
11	110.09	110.17	110.49	111.41	115.30	116.51	116.04	120.05	113.98	110.99	110.58	110.35	
12	110.08	110.18	110.52	111.35	115.69	116.30	116.35	119.96	113.87	111.00	110.56	110.36	
13	110.07	110.19	110.47	111.30	115.96	116.10	116,64	119.86	113.77	110.99	110.55	110.34	
14	110.07	110.19	110.45	111.31	116.17	115.89	116.95	119.76	113.67	110.98	110.56	110.33	
15	110.06	110.18	110.43	111.20	116.33	115.68	117.27	119.64	113.57	110.94	110.56	110.31	
16	110.06	110.17	110.45	111.09	116.45	115.46	117.64	119.51	113.48	110.90	110.55	110.31	
17	110.05	110.17	110.44	111.13	116.60	115.23	118.03	119.38	113.38	110.87	110.55	110.30	
18	110.08	110.20	110.44	111.28	116.86	115.01	118.45	119.25	113.26	110.84	110.55	110.29	
19	110.07	110.23	110.42	111.38	117.06	114.76	118.91	119.10	113.15	110.80	110.54	110.28	
20	110.06	110.28	110.43	111.45	117.29	114.55	119.35	118.97	113.04	110.78	110.54	110.28	
21	110.05	110.28	110.45	111.50	117.51	114.36	119.75	118.81	112.91	110.76	110.53	110.30	
22	110.04	110.27	110.48	111.51	117.75	114.20	120.08	118.63	112.78	110.75	110.52	110.32	
23	110.03	110.24	110.49	111.48	117.95	114.03	120.30	118.47	112.63	110.73	110.51	110.38	
24	110.03	110.21	110.63	111.47	118.11	113.90	120.47	118.27	112.47	110.71	110.50	110.46	
25	110.01	110.25	110.84	111.50	118.19	113.81	120.57	118.07	112.32	110.68	110.48	110.39	
26	110.01	110.49	111.07	111.67	118.29	113.71	120.65	117.84	112.15	110.68	110.45	110.35	
27	110.06	110.51	111.68	111.85	118.34	113.61	120.69	117.55	112.02	110.67	110.44	110.34	
28	110.05	110.48	111.83	111.93	118.34	113.71	120.72	117.29	111.90	110.67	110.40	110.33	
29	110.04	110.44	111.86	111.97	118.31	113.73	120.72	117.01	111.77	110.67	110.39	110.32	
30	110.05	110.42	111.86	111.98	118.24	113.80	120.70	116.72	111.66	110.66		110.30	
31		110.42		111.98	118.17		120.69		111.56	110.65		110.38	
MEAN	110.08	110.25	110.68	111.51	115.82	115.63	117.64	119.28	113.56	110.92	110.55	110.35	
MAX	110.15	110.51	111.86	111.98	118.34	118.05	120.72	120.67	116.40	111.46	110.64	110.46	120.72
MIN	110.01	110.10	110.41	111.09	111.95	113.61	113.79	116.72	111.56	110.65	110.39	110.28	110.01

ANNUAL MAX MOMENTARY GAGE HEIGHT 120.72 M (MSL), AT 21.00 HOURS, ON OCT 28, 1983
ZERO GAGE AT BOTTOM ELEVATION 110.00 M (MSL), RIVER BED 109.11 M (MSL)
LEFT BANK ELEVATION 124.45 M (MSL)
RIGHT BANK ELEVATION 122.64 M (MSL), DRAINAGE AREA 44275 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	2.3	1.5	22.4	134.0	148.0	976.0	356.0	2334.0	692.0	96.0	30.8	13.4	
2	2.3	1.9	21.7	126.0	147.0	958.0	354.8	2268.0	648.6	85.0	30.8	12.8	
3	2.1	2.9	21.0	108.0	145.0	936.0	366.8	2180.0	599.6	80.0	30.1	12.8	
4	2.1	3.5	19.6	93.0	162.1	910.0	395.6	2090.0	552.0	75.0	29.4	12.2	
5	2.1	3.5	18.9	89.0	170.9	886.2	420.3	2030.0	516.8	68.6	28.7	12.2	
6	1.9	2.9	17.5	85.0	205.0	859.2	462.9	1946.0	476.0	64.4	28.0	12.2	
7	1.9	2.7	15.4	90.0	235.8	828.6	499.9	1876.0	452.0	59.5	27.3	12.2	
8	1.8	2.6	14.7	95.0	285.2	796.4	542.6	1817.0	426.8	56.0	26.6	12.2	
9	1.7	2.7	19.6	95.0	393.2	767.6	588.8	1761.0	406.4	56.0	25.9	11.6	
10	1.5	2.7	19.6	94.0	487.1	735.6	627.8	1689.0	390.8	56.0	27.3	11.0	
11	1.3	2.6	20.3	91.0	560.0	707.4	687.2	1632.5	377.6	55.3	26.6	11.0	
12	1.2	2.7	22.4	85.0	624.2	678.0	743.0	1576.0	364.4	56.0	25.2	11.6	
13	1.1	2.9	18.9	80.0	672.8	650.0	800.0	1518.0	352.4	55.3	24.5	10.4	
14	1.1	2.9	17.5	81.0	710.6	620.6	865.0	1465.0	340.4	54.6	25.2	9.8	
15	0.9	2.7	16.1	70.0	739.4	591.2	940.8	1408.0	328.4	51.8	25.2	8.6	
16	0.9	2.6	17.5	62.3	762.0	560.4	1029.6	1354.9	317.6	49.0	24.5	8.6	
17	0.8	2.6	16.8	65.1	792.0	528.2	1124.7	1311.4	305.6	46.9	24.5	8.0	
18	1.2	3.0	16.8	78.0	845.2	501.2	1259.5	1268.5	291.2	44.8	24.5	7.5	
19	1.1	4.5	15.4	88.0	890.4	471.2	1418.1	1226.0	278.0	42.0	23.8	7.0	
20	0.9	7.0	16.1	95.0	945.6	446.0	1612.5	1192.2	264.8	40.6	23.8	7.0	
21	0.8	7.0	17.5	100.0	998.4	423.2	1827.5	1152.4	250.1	39.2	23.1	8.0	
22	0.6	6.5	19.6	101.0	1056.0	404.0	2037.0	1109.2	235.8	38.5	22.4	9.2	
23	0.4	5.0	20.3	98.0	1104.0	383.6	2200.0	1070.8	219.3	37.1	21.7	12.8	
24	0.4	3.5	30.1	97.0	1148.2	368.0	2344.5	1022.8	201.7	35.7	21.0	18.2	
25	0.2	5.5	44.8	100.0	1173.8	357.2	2429.5	980.0	185.2	33.6	19.6	13.4	
26	0.2	20.3	60.9	117.0	1206.7	345.2	2500.0	934.0	166.5	33.6	17.5	11.0	
27	0.9	21.7	118.0	135.0	1223.2	333.2	2536.0	879.0	152.2	32.9	16.8	10.4	
28	0.8	19.6	133.0	143.0	1223.2	345.2	2563.0	832.2	140.0	32.9	14.0	9.8	
29	0.6	16.8	136.0	147.0	1032.4	347.6	2563.0	783.6	127.0	32.9	13.4	9.2	
30	0.8	15.4	136.0	148.0	1015.6	356.0	2400.0	737.2	116.0	32.2		8.0	
31		15.4		148.0	1000.0		2378.0		106.0	31.5		12.8	
TOTAL	35.9	197.1	1084.4	3138.4	22103.0	18071.0	40874.4	43444.7	10281.2	1572.9	702.2	334.9	141840.1 CMSDAY
MEAN	1.2	6.4	36.1	101.2	713.0	602.4	1318.5	1448.2	331.7	50.7	24.2	10.8	387.5 CMS
MAX	2.3	21.7	136.0	148.0	1223.2	976.0	2563.0	2334.0	692.0	96.0	30.8	18.2	2563.0 CMS
MIN	0.2	1.5	14.7	62.3	145.0	333.2	354.8	737.2	106.0	31.5	13.4	7.0	0.2 CMS
RUNOFF	3.10	17.03	93.69	271.16	1909.70	1561.33	3531.55	3753.62	888.30	135.90	60.67	28.94	12254.99 MCM

MOMENTARY PEAK 2563.00 CMS, AT 120.72 M (MSL), AT 21.00 HOURS, ON OCT 28, 1983

RUNOFF YIELD 8.75 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 57.89 LITERS/SECOND/SQUARE KM

WATER YEAR 1983

MUN RIVER BASIN

MUN RIVER AT SATUK, BURI RAM(M.6A)

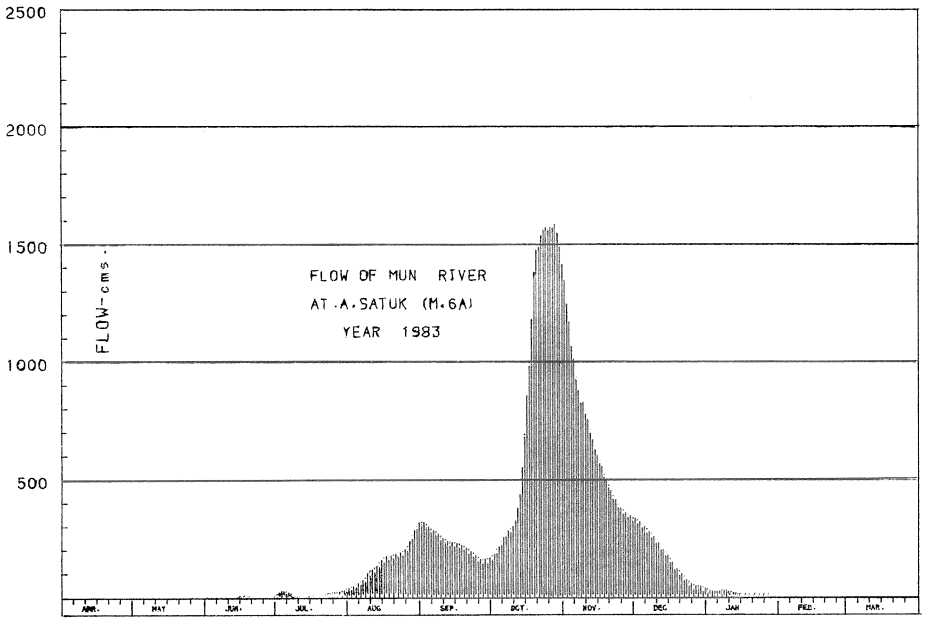
LOCATION LAT. 15°-17'-44" N., LONG. 103°-17'-51" E., ON RIGHT BANK AT SATUK, BURI RAM.

DRAINAGE AREA	28,275 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM	+124.00 M. (M.S.L.)
BENCH MARK	B.M.-B.M.P.1383
LOCATION	INFRONT OF THE POST OFFICE AND ABOUT 80 METERS FROM STAFF GAGE LINE.
ELEVATION	+132.3289 M.(M.S.L.)
GAGE READING FREQUENCY	13-TIME DAILY READINGS AT 06.00 - 18.00 HOURS.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 13 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1964 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1976 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1976 TO DATE.
STABILITY OF CHANNEL REGIMES	STABLE.
OVERBANK FLOW CONDITIONS	OVERBANK FLOW STARTS AT ELEVATION +129.93 M.(M.S.L.) AND IS INCLUDED.
GENERAL DESCRIPTION	RECORDS GOOD. STAGE-DISCHARGE RELATION DEFINED BY 142 DISCHARGE MEASUREMENTS MADE IN 1983.

GAGE HEIGHT IN METER (MSL), WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	124.56	124.60	124.94	125.45	126.07	129.01	128.02	130.68	129.08	125.97	125.33	125.01	
2	124.56	124.60	124.94	125.66	126.15	129.01	128.09	130.60	129.05	125.87	125.31	125.00	
3	124.56	124.63	124.93	125.79	126.21	128.96	128.26	130.52	129.02	125.80	125.30	125.00	
4	124.56	124.72	124.93	125.84	126.38	128.92	128.37	130.43	128.98	125.77	125.29	124.99	
5	124.56	124.70	124.93	125.76	126.50	128.87	128.52	130.36	128.93	125.77	125.28	124.99	
6	124.56	124.69	124.92	125.66	126.62	128.84	128.66	130.27	128.87	125.81	125.27	124.98	
7	124.55	124.67	124.89	125.53	126.74	128.81	128.76	130.19	128.82	125.86	125.26	124.98	
8	124.55	124.65	124.88	125.40	126.90	128.76	128.83	130.13	128.76	125.88	125.24	124.97	
9	124.54	124.64	124.85	125.28	127.18	128.69	128.88	130.12	128.68	125.86	125.23	124.97	
10	124.54	124.63	124.83	125.22	127.32	128.63	128.93	130.07	128.59	125.79	125.22	124.96	
11	124.53	124.62	124.82	125.20	127.39	128.59	129.08	130.02	128.50	125.71	125.21	124.96	
12	124.53	124.60	124.81	125.17	127.50	128.55	129.24	129.96	128.39	125.64	125.20	124.96	
13	124.52	124.60	124.83	125.14	127.62	128.52	129.46	129.90	128.27	125.58	125.19	124.95	
14	124.52	124.59	125.02	125.18	127.75	128.51	129.71	129.86	128.16	125.55	125.18	124.93	
15	124.52	124.58	125.20	125.26	127.85	128.50	129.93	129.81	128.05	125.51	125.18	124.93	
16	124.52	124.57	125.26	125.32	127.95	128.49	130.16	129.77	127.90	125.48	125.16	124.93	
17	124.52	124.58	125.25	125.38	128.00	128.46	130.34	129.72	127.77	125.47	125.16	124.93	
18	124.52	124.67	125.21	125.37	128.02	128.43	130.53	129.65	127.62	125.44	125.14	124.92	
19	124.52	124.65	125.13	125.36	128.03	128.39	130.72	129.59	127.47	125.43	125.13	124.92	
20	124.52	124.64	125.06	125.35	128.05	128.33	130.79	129.54	127.30	125.43	125.12	124.91	
21	124.51	124.65	125.00	125.39	128.10	128.27	130.81	129.48	127.15	125.42	125.09	124.92	
22	124.51	124.65	124.94	125.49	128.13	128.19	130.84	129.41	126.98	125.42	125.08	124.92	
23	124.51	124.65	124.91	125.57	128.14	128.12	130.87	129.36	126.79	125.42	125.07	124.92	
24	124.51	124.66	124.87	125.61	128.19	128.04	130.87	129.29	126.62	125.41	125.06	124.92	
25	124.51	125.06	124.83	125.67	128.27	127.95	130.87	129.24	126.45	125.40	125.06	124.94	
26	124.51	125.01	124.84	125.69	128.38	127.89	130.87	129.21	126.34	125.39	125.05	124.95	
27	124.53	125.01	124.89	125.71	128.54	127.86	130.88	129.17	126.28	125.39	125.04	124.95	
28	124.53	125.00	124.90	125.74	128.70	127.90	130.88	129.14	126.26	125.38	125.03	124.94	
29	124.53	124.90	125.00	125.80	128.84	127.90	130.86	129.12	126.23	125.38	125.02	124.93	
30	124.58	124.91	125.20	125.88	128.93	127.94	130.80	129.08	126.16	125.37		124.92	
31		124.93		125.98	129.00		130.75		126.06	125.35		124.92	
MEAN	124.53	124.71	124.97	125.51	127.66	128.44	129.83	129.79	127.73	125.58	125.17	124.95	
MAX	124.58	125.06	125.26	125.98	129.00	129.01	130.88	130.68	129.08	125.97	125.33	125.01	130.88
MIN	124.51	124.57	124.81	125.14	126.07	127.86	128.02	129.08	126.06	125.35	125.02	124.91	124.51

ANNUAL MAX MOMENTARY GAGE HEIGHT 130.88 M (MSL), AT 24.00 HOURS, ON OCT 27, 1983
ZERO GAGE AT BOTTOM ELEVATION 124.00 M (MSL), RIVER BED 121.40 M (MSL)
LEFT BANK ELEVATION 129.92 M (MSL)
RIGHT BANK ELEVATION 132.60 M (MSL), DRAINAGE AREA 28275 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.5	0.6	2.4	16.5	43.5	322.5	180.2	1348.0	340.0	38.5	12.9	3.3	
2	0.5	0.6	2.4	24.4	47.5	322.5	187.9	1260.0	332.5	33.5	12.3	3.0	
3	0.5	0.7	2.3	29.6	50.5	312.0	206.6	1172.0	325.0	30.0	12.0	3.0	
4	0.5	1.1	2.3	32.0	59.0	304.0	218.7	1080.0	316.0	28.8	11.7	2.9	
5	0.5	1.0	2.3	28.4	65.0	294.0	238.8	1014.0	306.0	28.8	11.4	2.9	
6	0.5	1.0	2.2	24.4	71.0	288.0	259.0	938.4	294.0	30.5	11.1	2.8	
7	0.5	0.9	1.9	19.2	77.0	282.0	274.0	880.8	284.0	33.0	10.8	2.8	
8	0.5	0.8	1.9	15.0	87.0	274.0	286.0	837.6	274.0	34.0	10.2	2.7	
9	0.4	0.8	1.7	11.4	106.6	263.5	296.0	830.4	262.0	33.0	9.9	2.7	
10	0.4	0.7	1.7	9.6	116.4	254.5	306.0	794.4	248.6	29.6	9.6	2.6	
11	0.4	0.7	1.6	9.0	121.3	248.6	340.0	758.4	236.0	26.4	9.3	2.6	
12	0.4	0.6	1.5	8.1	129.0	243.0	382.0	715.2	220.9	23.6	9.0	2.6	
13	0.4	0.6	1.7	7.2	138.0	238.8	451.0	672.0	207.7	21.2	8.7	2.5	
14	0.4	0.6	3.6	8.4	151.0	237.4	555.0	643.2	195.6	20.0	8.4	2.3	
15	0.4	0.5	9.0	10.8	161.5	236.0	693.6	607.2	183.5	18.4	8.4	2.3	
16	0.4	0.5	10.8	12.6	172.5	234.6	859.2	585.0	167.0	17.4	7.8	2.3	
17	0.4	0.5	10.5	14.4	178.0	230.4	996.0	560.0	153.0	17.1	7.8	2.3	
18	0.4	0.9	9.3	14.1	180.2	226.2	1183.0	525.0	138.0	16.2	7.2	2.2	
19	0.4	0.8	6.9	13.8	181.3	220.9	1394.0	496.5	126.9	15.9	6.9	2.2	
20	0.4	0.8	4.8	13.5	183.5	214.3	1478.0	479.0	115.0	15.9	6.6	2.1	
21	0.3	0.8	3.0	14.7	189.0	207.7	1502.0	458.0	104.5	15.6	5.7	2.2	
22	0.3	0.8	2.4	17.7	192.3	198.9	1538.0	433.5	92.6	15.6	5.4	2.2	
23	0.3	0.8	2.1	20.8	193.4	191.2	1574.0	418.0	79.5	15.6	5.1	2.2	
24	0.3	0.8	1.9	22.4	198.9	182.4	1574.0	397.0	71.0	15.3	4.8	2.2	
25	0.3	4.8	1.7	24.8	207.7	172.5	1574.0	382.0	62.5	15.0	4.8	2.4	
26	0.3	3.3	1.7	25.6	219.8	165.9	1574.0	373.0	57.0	14.7	4.5	2.5	
27	0.4	3.3	1.9	26.4	241.6	162.6	1586.0	362.5	54.0	14.7	4.2	2.5	
28	0.4	3.0	2.0	27.6	265.0	167.0	1586.0	355.0	53.0	14.4	3.9	2.4	
29	0.4	2.0	3.0	30.0	288.0	167.0	1562.0	350.0	51.5	14.4	3.6	2.3	
30	0.5	2.1	9.0	34.0	306.0	171.4	1490.0	340.0	48.0	14.1		2.2	
31		2.3		39.0	320.0		1430.0		43.0	13.5		2.2	
TOTAL	12.3	38.7	109.5	605.4	4941.5	7033.8	27775.0	20066.1	5442.3	674.7	234.0	77.4	67010.7 CMSDAY
MEAN	0.4	1.2	3.7	19.5	159.4	234.5	896.0	668.9	175.6	21.8	8.1	2.5	183.1 CMS
MAX	0.5	4.8	10.8	39.0	320.0	322.5	1586.0	1348.0	340.0	38.5	12.9	3.3	1586.0 CMS
MIN	0.3	0.5	1.5	7.2	43.5	162.6	180.2	340.0	43.0	13.5	3.6	2.1	0.3 CMS
RUNOFF	1.06	3.34	9.46	52.31	426.95	607.72	2399.76	1733.71	470.21	58.29	20.22	6.69	5789.73 MCM

MOMENTARY PEAK 1586.01 CMS, AT 130.88 M (MSL), AT 24.00 HOURS, ON OCT 27, 1983

RUNOFF YIELD 6.48 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 56.09 LITERS/SECOND/SQUARE KM

WATER YEAR 1983

MUN RIVER BASIN

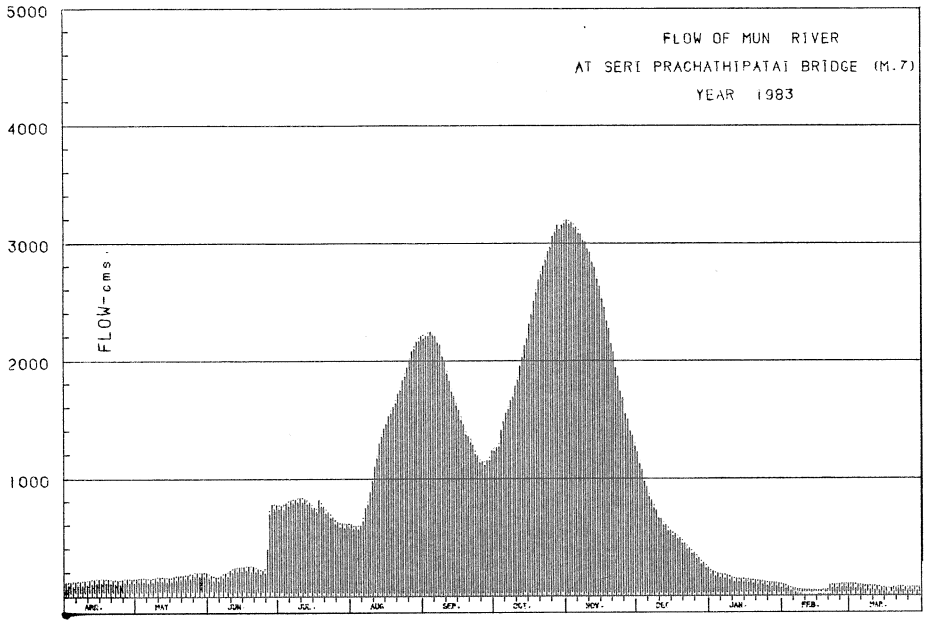
MUN RIVER AT SERI PRACHATHIPATAI BRIDGE, UBON RATCHATHANI (M.7)

LOCATION	LAT. 15°-13'-17" N., LONG. 104°-51'-39" E., ON LEFT BANK AT THE SERI PRACHATHIPATAI, AMPHOE MUANG, UBON RATCHATHANI.
DRAINAGE AREA	106,673 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM	+105.00 M.(M.S.L.)
BENCH MARK	B.M.-DEPARTMENT OF LANDS.
LOCATION	NEAR THE FENCE OF THE GOVERNOR OF THE PROVINCE' HOUSE.
ELEVATION	+116.895 M.(M.S.L.)
GAGE READING FREQUENCY	3-5 TIME DAILY READINGS AT 06.00, 09.00, 12.00, 15.00 AND 18.00 HOURS.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 5 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1944 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1956 - 1953, 1964 - 1981, 1983 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1956 - 1953, 1964 - 1981, 1983 TO DATE.
STABILITY OF CHANNEL REGIMES	FAIRLY STABLE BECAUSE OF BACKWATER EFFECT.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS GOOD. STAGE-DISCHARGE RELATION DEFINED BY 42 DISCHARGE MEASUREMENTS MADE IN 1983

GAGE HEIGHT IN METER (MSL), WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	106.73	106.85	107.00	108.97	108.44	112.31	110.42	112.98	109.50	107.13	106.78	106.79	
2	106.73	106.86	106.96	108.96	108.39	112.30	110.44	112.97	109.35	107.10	106.76	106.79	
3	106.74	106.87	106.93	108.99	108.39	112.33	110.53	112.95	109.20	107.07	106.73	106.78	
4	106.75	106.87	106.91	109.03	108.39	112.34	110.85	112.92	109.05	107.05	106.70	106.77	
5	106.75	106.87	106.90	109.08	108.40	112.33	111.08	112.88	108.90	107.03	106.69	106.76	
6	106.76	106.85	106.95	109.11	108.61	112.30	111.21	112.84	108.76	107.03	106.67	106.76	
7	106.76	106.84	107.01	109.13	108.89	112.26	111.33	112.78	108.64	107.02	106.66	106.74	
8	106.77	106.86	107.04	109.13	109.07	112.21	111.44	112.73	108.55	107.01	106.65	106.74	
9	106.78	106.88	107.07	109.16	109.33	112.10	111.55	112.67	108.45	106.98	106.65	106.74	
10	106.79	106.90	107.13	109.17	109.69	112.00	111.68	112.61	108.36	106.95	106.64	106.74	
11	106.80	106.91	107.18	109.17	109.98	111.89	111.81	112.52	108.29	106.93	106.64	106.74	
12	106.82	106.90	107.21	109.14	110.24	111.76	111.95	112.42	108.22	106.92	106.64	106.73	
13	106.83	106.89	107.23	109.11	110.54	111.64	112.09	112.31	108.16	106.92	106.63	106.72	
14	106.84	106.88	107.24	109.05	110.76	111.52	112.20	112.18	108.10	106.92	106.63	106.70	
15	106.84	106.88	107.24	108.98	110.89	111.40	112.30	112.04	108.04	106.92	106.63	106.70	
16	106.84	106.88	107.25	108.91	111.03	111.27	112.41	111.90	108.00	106.91	106.63	106.69	
17	106.85	106.93	107.27	108.87	111.15	111.13	112.50	111.74	107.97	106.91	106.63	106.68	
18	106.84	106.94	107.27	109.12	111.26	110.97	112.58	111.59	107.93	106.90	106.64	106.68	
19	106.84	106.94	107.26	109.03	111.33	110.82	112.65	111.44	107.88	106.89	106.64	106.70	
20	106.82	106.95	107.26	108.93	111.45	110.71	112.71	111.26	107.83	106.88	106.65	106.69	
21	106.81	106.96	107.22	108.85	111.56	110.64	112.75	111.09	107.77	106.87	106.76	106.72	
22	106.81	106.97	107.18	108.78	111.66	110.50	112.78	110.89	107.72	106.87	106.77	106.73	
23	106.80	106.97	107.15	108.71	111.77	110.35	112.82	110.71	107.66	106.86	106.77	106.72	
24	106.80	107.00	107.13	108.63	111.86	110.24	112.85	110.52	107.61	106.85	106.77	106.70	
25	106.82	107.00	107.18	108.55	111.93	110.14	112.88	110.38	107.55	106.83	106.78	106.70	
26	106.84	107.05	107.75	108.50	112.04	110.10	112.92	110.18	107.49	106.83	106.79	106.71	
27	106.85	107.05	108.81	108.47	112.13	110.09	112.95	110.05	107.43	106.82	106.79	106.71	
28	106.84	107.04	108.99	108.47	112.19	110.13	112.97	109.91	107.35	106.82	106.79	106.71	
29	106.84	107.05	108.99	108.45	112.24	110.20	112.97	109.78	107.31	106.81	106.79	106.71	
30	106.84	107.05	108.98	108.45	112.28	110.36	112.97	109.65	107.25	106.80		106.71	
31		107.05		108.45	112.30		112.99		107.19	106.79		106.71	
MEAN	106.80	106.93	107.39	108.88	110.59	111.28	112.12	111.70	108.11	106.92	106.70	106.72	
MAX	106.85	107.05	108.99	109.17	112.30	112.34	112.99	112.98	109.50	107.13	106.79	106.79	112.99
MIN	106.73	106.84	106.90	108.45	108.39	110.09	110.42	109.65	107.19	106.79	106.63	106.68	106.63

ANNUAL MAX MOMENTARY GAGE HEIGHT 112.99 M (MSL), AT 24.00 HOURS, ON OCT 31, 1983
ZERO GAGE AT BOTTOM ELEVATION 105.00 M (MSL), RIVER BED 100.99 M (MSL)
LEFT BANK ELEVATION 120.88 M (MSL)
RIGHT BANK ELEVATION 117.44 M (MSL), DRAINAGE AREA 106673 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	122.5	152.5	190.0	773.6	612.2	2219.0	1257.0	3198.0	1225.0	220.5	98.0	101.5	
2	122.5	155.0	180.0	770.5	597.0	2210.0	1264.0	3192.0	1150.0	210.0	91.0	101.5	
3	125.0	157.5	172.5	779.7	597.0	2237.0	1295.5	3180.0	1075.0	199.5	80.5	98.0	
4	127.5	157.5	167.5	791.9	597.0	2246.0	1410.0	3162.0	1000.0	192.5	70.0	94.5	
5	127.5	157.5	165.0	807.1	600.0	2237.0	1502.0	3138.0	930.0	185.5	66.5	91.0	
6	130.0	152.5	177.5	816.2	664.0	2210.0	1554.5	3114.0	867.0	185.5	59.5	91.0	
7	130.0	150.0	192.5	822.3	749.2	2178.0	1608.5	3078.0	813.0	182.0	56.0	84.0	
8	132.5	155.0	200.0	822.3	804.0	2138.0	1660.0	3048.0	772.5	178.5	52.5	84.0	
9	135.0	160.0	207.5	831.5	883.2	2060.0	1715.0	3012.0	727.5	168.0	52.5	84.0	
10	137.5	165.0	222.5	834.5	1001.5	1990.0	1784.0	2976.0	687.0	157.5	49.0	84.0	
11	140.0	167.5	235.0	834.5	1103.0	1913.0	1857.0	2922.0	656.0	150.5	49.0	84.0	
12	145.0	165.0	242.5	825.4	1194.0	1828.0	1955.0	2862.0	628.0	147.0	49.0	80.5	
13	147.5	162.5	247.5	816.2	1299.0	1762.0	2053.0	2796.0	604.0	147.0	45.5	77.0	
14	150.0	160.0	250.0	798.0	1376.0	1700.0	2130.0	2718.0	580.0	147.0	45.5	70.0	
15	150.0	160.0	250.0	776.6	1426.0	1640.0	2210.0	2634.0	556.0	147.0	45.5	70.0	
16	150.0	160.0	252.5	755.3	1482.0	1581.5	2311.0	2550.0	540.0	143.5	45.5	66.5	
17	152.5	172.5	257.5	743.1	1530.0	1522.0	2410.0	2454.0	528.0	143.5	45.5	63.0	
18	150.0	175.0	257.5	819.3	1577.0	1458.0	2506.0	2364.0	512.0	140.0	49.0	63.0	
19	150.0	175.0	255.0	791.9	1608.5	1398.0	2600.0	2274.0	492.0	136.5	49.0	70.0	
20	145.0	177.5	255.0	761.4	1665.0	1358.5	2687.0	2168.0	472.0	133.0	52.5	66.5	
21	142.5	180.0	245.0	737.0	1720.0	1334.0	2755.0	2074.5	448.0	129.5	91.0	77.0	
22	142.5	182.5	235.0	715.7	1773.0	1285.0	2806.0	1964.5	428.0	129.5	94.5	80.5	
23	140.0	182.5	227.5	694.4	1833.5	1232.5	2876.0	1865.5	406.0	126.0	94.5	77.0	
24	140.0	190.0	222.5	670.0	1892.0	1194.0	2930.0	1761.0	388.5	122.5	94.5	70.0	
25	145.0	190.0	235.0	645.7	1941.0	1159.0	2984.0	1684.0	367.5	115.5	98.0	70.0	
26	150.0	202.5	402.0	630.5	2018.0	1145.0	3058.0	1574.0	346.5	115.5	101.5	73.5	
27	152.5	202.5	724.9	621.3	2081.0	1141.5	3115.0	1502.5	325.5	112.0	101.5	73.5	
28	150.0	200.0	779.7	621.3	2123.0	1155.5	3153.0	1430.0	297.5	112.0	101.5	73.5	
29	150.0	202.5	779.7	615.2	2162.0	1180.0	3153.0	1365.0	283.5	108.5	101.5	73.5	
30	150.0	202.5	776.6	615.2	2194.0	1236.0	3153.0	1300.0	262.5	105.0		73.5	
31		202.5		615.2	2210.0		3191.0		241.5	101.5		73.5	
TOTAL	4232.5	5375.0	9005.4	23152.8	43313.1	49948.5	70943.5	73361.0	18610.0	4592.0	2030.0	2439.5	307003.3 CMSDAY
MEAN	141.1	173.4	300.2	746.9	1397.2	1664.9	2288.5	2445.4	600.3	148.1	70.0	78.7	838.8 CMS
MAX	152.5	202.5	779.7	834.5	2210.0	2246.0	3191.0	3198.0	1225.0	220.5	101.5	101.5	3198.0 CMS
MIN	122.5	150.0	165.0	615.2	597.0	1141.5	1257.0	1300.0	241.5	101.5	45.5	63.0	45.5 CMS
RUNOFF	365.69	464.40	778.07	2000.40	3742.25	4315.55	6129.52	6338.39	1607.90	396.75	175.39	210.77	26525.09 MCM

MOMENTARY PEAK 3191.00 CMS, AT 112.99 M (MSL), AT 24.00 HOURS, ON OCT 31, 1983

RUNOFF YIELD 7.86 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 29.91 LITERS/SECOND/SQUARE KM

WATER YEAR 1983

MUN RIVER BASIN

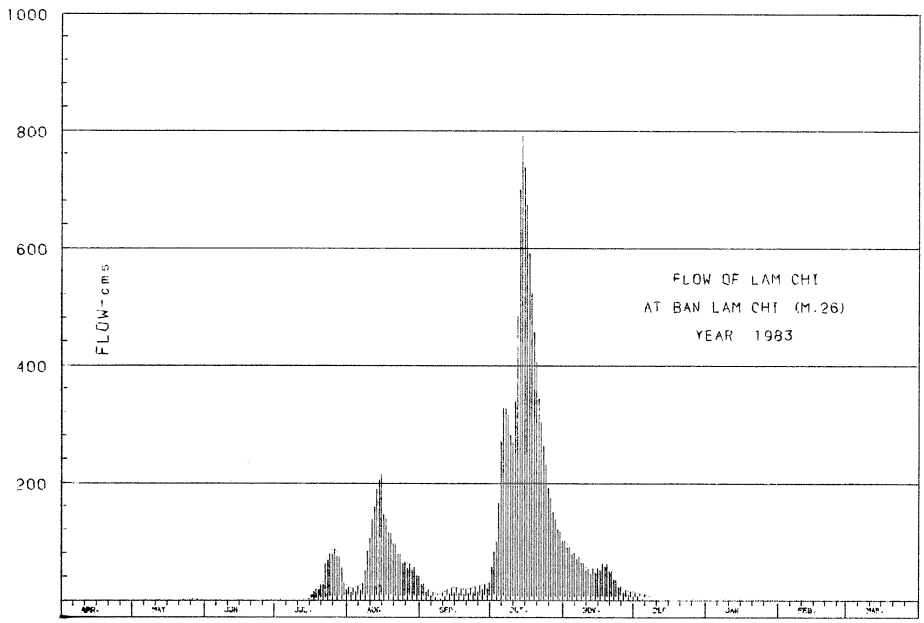
LAM CHI AT BAN LAM CHI, SURIN (M.26)

LOCATION	LAT. 14°-54'-03" N., LONG. 103°-24'-21" E., ON LEFT BANK AT RAILWAY BRIDGE, BAN LAM CHI, AMPHOE MUANG, SURIN.
DRAINAGE AREA	2,927 SQ.KM.
TYPE OF GAGE	WATER-STAGE RECORDER.
ZERO GAGE AT BOTTOM	+127.00 M. (M.S.L.)
BENCH MARK	B.M.-H.D.
LOCATION	NEAR THE AUTOMATIC GAGE BUILDING.
ELEVATION	+135.010 M. (M.S.L.)
GAGE READING FREQUENCY	RECORDING.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 24 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1954 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1967-1968, 1978 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1967-1968, 1978 TO DATE.
STABILITY OF CHANNEL REGIMES	FAIRLY STABLE BECAUSE OF BACKWATER EFFECT.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS GOOD. STAGE-DISCHARGE RELATION DEFINED BY 109 DISCHARGE MEASUREMENTS MADE IN 1983.

GAGE HEIGHT IN METER (MSL), WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	127.47	127.43	127.73	127.70	130.64	131.18	132.39	134.55	129.52	127.98	127.68	127.48	
2	127.47	127.44	127.66	127.76	130.32	130.72	133.13	134.33	129.40	127.95	127.67	127.47	
3	127.47	127.45	127.66	127.77	130.33	130.30	133.91	134.06	129.29	127.93	127.63	127.47	
4	127.47	127.59	127.67	127.72	130.67	129.96	135.15	133.80	129.21	127.89	127.64	127.46	
5	127.48	127.74	127.67	127.60	130.86	129.71	135.97	133.58	129.13	127.86	127.67	127.52	
6	127.48	127.74	127.68	127.58	131.06	129.50	136.24	133.40	129.01	127.85	127.70	127.52	
7	127.48	127.65	127.63	127.59	131.51	129.32	136.27	133.27	128.92	127.84	127.70	127.53	
8	127.47	127.67	127.62	127.58	132.22	129.23	136.18	133.10	128.85	127.85	127.66	127.53	
9	127.49	127.76	127.64	127.65	133.17	129.27	136.04	132.73	128.78	127.86	127.62	127.53	
10	127.47	127.73	127.60	127.66	134.04	129.41	135.93	132.34	128.75	127.84	127.60	127.51	
11	127.45	127.69	127.57	127.78	134.69	129.63	136.31	132.23	128.67	127.77	127.61	127.49	
12	127.45	127.62	127.55	127.80	135.15	129.97	136.88	132.20	128.59	127.75	127.64	127.49	
13	127.43	127.61	127.56	127.85	135.42	130.19	137.55	132.27	128.53	127.73	127.62	127.49	
14	127.44	127.65	127.58	128.01	135.58	130.35	137.78	132.28	128.48	127.74	127.62	127.48	
15	127.46	127.60	127.55	128.12	135.60	130.48	137.72	132.29	128.38	127.84	127.57	127.48	
16	127.45	127.60	127.51	129.00	135.53	130.47	137.61	132.45	128.34	127.87	127.54	127.48	
17	127.45	127.58	127.53	129.58	135.38	130.34	137.47	132.68	128.29	127.81	127.49	127.47	
18	127.44	127.62	127.54	130.04	135.15	130.19	137.32	132.79	128.25	127.74	127.55	127.45	
19	127.44	127.58	127.52	130.60	134.93	130.07	137.17	132.64	128.20	127.71	127.57	127.43	
20	127.44	127.58	127.50	131.14	134.70	130.08	137.00	132.33	128.17	127.68	127.59	127.47	
21	127.44	127.65	127.50	131.78	134.33	130.22	136.80	132.02	128.16	127.67	127.55	127.49	
22	127.43	127.72	127.53	132.37	133.87	130.39	136.61	131.63	128.16	127.66	127.54	127.48	
23	127.41	127.75	127.56	132.78	133.47	130.55	136.43	131.17	128.14	127.66	127.53	127.49	
24	127.42	127.76	127.56	133.04	133.12	130.69	136.20	130.74	128.09	127.65	127.51	127.52	
25	127.43	127.97	127.55	133.23	132.85	130.85	135.95	130.43	128.14	127.64	127.53	127.54	
26	127.42	127.89	127.72	133.28	132.72	131.02	135.76	130.16	128.15	127.64	127.51	127.60	
27	127.47	127.99	127.73	133.14	132.67	131.15	135.58	129.90	128.10	127.63	127.52	127.60	
28	127.47	127.87	127.73	132.81	132.58	131.26	135.37	129.72	128.04	127.63	127.53	127.57	
29	127.45	127.83	127.73	132.33	132.38	131.40	135.21	129.61	127.99	127.64	127.53	127.52	
30	127.42	127.81	127.72	131.74	132.04	131.73	135.00	129.58	128.02	127.63		127.55	
31		127.78		131.13	131.62		134.76		128.00	127.78		127.58	
MEAN	127.45	127.69	127.61	129.81	133.18	130.32	136.05	132.14	128.51	127.77	127.59	127.51	
MAX	127.49	127.99	127.73	133.28	135.60	131.73	137.78	134.55	129.52	127.98	127.70	127.60	137.78
MIN	127.41	127.43	127.50	127.58	130.32	129.23	132.39	129.58	127.99	127.63	127.49	127.43	127.41

ANNUAL MAX MOMENTARY GAGE HEIGHT 137.79 M (MSL), AT 17.00 HOURS, ON OCT 14, 1983
ZERO GAGE AT BOTTOM ELEVATION 127.00 M (MSL), RIVER BED 127.09 M (MSL)
LEFT BANK ELEVATION 140.41 M (MSL)
RIGHT BANK ELEVATION 140.27 M (MSL), DRAINAGE AREA 2927 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.3	0.1	1.3	1.2	23.3	35.2	63.2	101.3	14.2	2.3	1.1	0.3	
2	0.3	0.2	1.0	1.4	21.1	28.3	82.9	95.7	13.0	2.2	1.1	0.3	
3	0.3	0.2	1.0	1.5	21.2	22.0	106.9	90.2	11.9	2.1	0.9	0.3	
4	0.3	0.8	1.1	1.3	23.5	18.6	165.5	85.0	11.1	2.0	1.0	0.2	
5	0.3	1.4	1.1	0.8	24.7	16.1	275.6	80.6	10.3	1.8	1.1	0.5	
6	0.3	1.4	1.1	0.7	26.1	14.0	328.4	77.0	9.1	1.8	1.2	0.5	
7	0.3	1.0	0.9	0.8	29.1	12.2	334.7	74.4	8.2	1.8	1.2	0.5	
8	0.3	1.1	0.9	0.7	56.2	11.3	316.0	71.0	7.6	1.8	1.0	0.5	
9	0.4	1.4	1.0	1.0	84.1	11.7	288.6	63.6	7.0	1.8	0.9	0.5	
10	0.3	1.3	0.8	1.0	111.6	13.1	268.4	55.8	6.8	1.8	0.8	0.4	
11	0.2	1.2	0.7	1.5	138.5	15.3	343.1	53.6	6.2	1.5	0.8	0.4	
12	0.2	0.9	0.6	1.6	165.5	18.7	484.2	53.0	5.5	1.4	1.0	0.4	
13	0.1	0.8	0.6	1.8	189.6	20.3	704.5	54.4	5.0	1.3	0.9	0.4	
14	0.2	1.0	0.7	2.4	212.0	21.3	791.4	54.6	4.6	1.4	0.9	0.3	
15	0.2	0.8	0.6	2.9	215.0	22.2	743.8	54.8	3.9	1.8	0.7	0.3	
16	0.2	0.8	0.4	9.0	151.7	22.1	674.2	58.0	3.8	1.9	0.6	0.3	
17	0.2	0.7	0.5	14.8	138.6	21.3	596.4	62.6	3.6	1.6	0.4	0.3	
18	0.2	0.9	0.6	19.3	123.5	20.3	523.2	64.8	3.4	1.4	0.6	0.2	
19	0.2	0.7	0.5	23.0	114.2	19.5	462.1	61.8	3.2	1.2	0.7	0.1	
20	0.2	0.7	0.4	26.6	105.0	19.5	406.0	55.6	3.1	1.1	0.8	0.3	
21	0.2	1.0	0.4	30.9	95.7	20.5	349.0	49.4	3.0	1.1	0.6	0.4	
22	0.1	1.3	0.5	62.7	86.4	21.6	303.3	42.0	3.0	1.0	0.6	0.3	
23	0.0	1.4	0.6	73.0	78.4	22.7	268.7	35.0	3.0	1.0	0.5	0.4	
24	0.1	1.4	0.6	80.2	71.4	23.6	231.0	28.6	2.8	1.0	0.4	0.5	
25	0.1	2.3	0.6	85.9	66.0	24.7	197.0	23.9	3.0	1.0	0.5	0.6	
26	0.1	2.0	1.3	87.4	63.4	25.8	174.6	20.6	3.0	1.0	0.4	0.8	
27	0.3	2.4	1.3	83.2	62.4	26.7	156.2	18.0	2.8	0.9	0.5	0.8	
28	0.3	1.9	1.3	73.8	60.6	27.4	137.9	16.2	2.6	0.9	0.5	0.7	
29	0.2	1.7	1.3	61.7	56.6	28.3	126.7	15.1	2.4	1.0	0.5	0.5	
30	0.1	1.6	1.3	30.6	49.8	30.5	117.0	14.8	2.5	0.9		0.6	
31		1.5		26.5	41.8		107.4		2.4	1.5		0.7	
TOTAL	6.5	35.9	25.0	809.2	2707.0	634.8	10127.9	1631.4	172.0	45.3	22.2	13.3	16230.5 CMSDAY
MEAN	0.2	1.2	0.8	26.1	87.3	21.2	326.7	54.4	5.5	1.5	0.8	0.4	44.3 CMS
MAX	0.4	2.4	1.3	87.4	215.0	35.2	791.4	101.3	14.2	2.3	1.2	0.8	791.4 CMS
MIN	0.0	0.1	0.4	0.7	21.1	11.3	63.2	14.8	2.4	0.9	0.4	0.1	0.0 CMS
RUNOFF	0.56	3.10	2.16	69.91	233.88	54.85	875.05	140.95	14.86	3.91	1.92	1.15	1402.32 MCM

MOMENTARY PEAK 795.20 CMS, AT 137.79 M (MSL), AT 17.00 HOURS, ON OCT 14, 1983
RUNOFF YIELD 15.15 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 271.68 LITERS/SECOND/SQUARE KM

WATER YEAR 1983

MUN RIVER BASIN

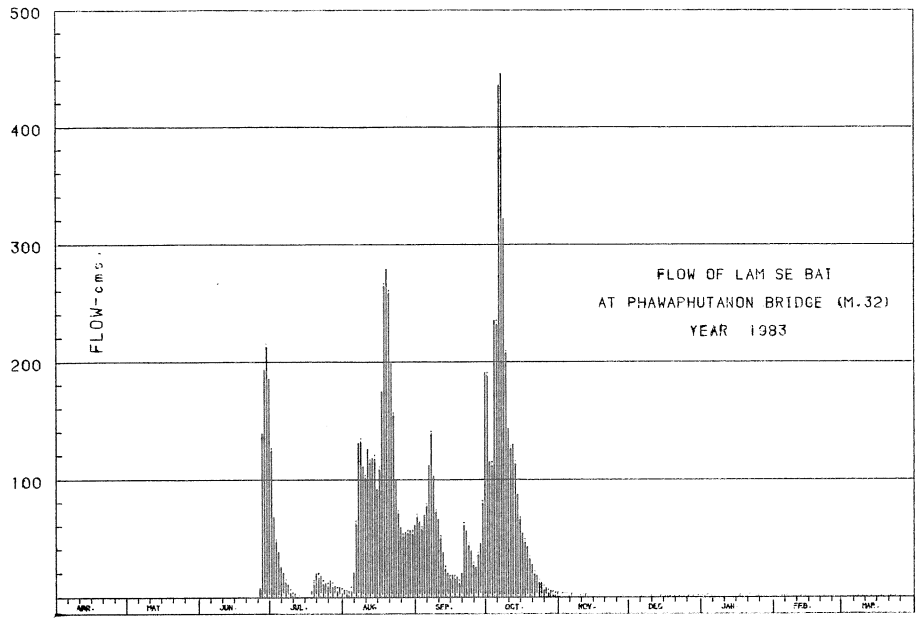
LAM SE BAI AT BAN NONG BUA, YASOTHON (M.32)

LOCATION	LAT. 15°-50'-20" N., LONG. 104°-27'-35" E., ON RIGHT BANK ABOUT 25 METERS UPSTREAM FROM PHAWAPHUTANON BRIDGE, TAMBON PHO SAI, AMPHOE KHAM KHUAN KAEO, YASOTHON.
DRAINAGE AREA	1,654 SQ.KM.
TYPE OF GAGE	WATER-STAGE RECORDER.
ZERO GAGE AT BOTTOM	+119.90 M. (M.S.L.)
BENCH MARK	B.M.-H.D.
LOCATION	NEAR THE AUTOMATIC GAGE BUILDING.
ELEVATION	+127.626 M.(M.S.L.)
GAGE READING FREQUENCY	RECORDING.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 24 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1954 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1965-1967, 1970-1973.
RATED BY FLOAT	-
RATED BY CURRENT METER	1965-1967, 1970-1973.
STABILITY OF CHANNEL REGIMES	FAIRLY STABLE.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS POOR. NO RECORDS ON MAR.1-31, 1984. STAGE-DISCHARGE RELATION DEFINED BY 62 DISCHARGE MEASUREMENTS MADE DURING 1969-1973.

GAGE HEIGHT IN METER (MSL), WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	119.50	119.14	119.55	124.77	121.45	124.15	125.33	120.98	120.37	120.48	120.48	*******	
2	119.50	119.16	119.55	124.12	121.32	124.06	124.65	120.97	120.35	120.50	120.47	*******	
3	119.50	119.16	119.55	123.81	121.28	124.00	124.65	120.96	120.34	120.50	120.46	*******	
4	119.48	119.17	119.56	123.59	121.79	124.14	125.64	120.90	120.34	120.50	120.42	*******	
5	119.46	119.17	119.57	123.31	122.96	124.27	125.64	120.85	120.34	120.50	120.42	*******	
6	119.45	119.17	119.59	122.96	124.07	124.62	126.50	120.79	120.34	120.50	120.38	*******	
7	119.45	119.17	119.63	122.50	124.81	124.91	126.55	120.74	120.29	120.50	120.37	*******	
8	119.44	119.20	119.72	122.02	124.85	124.53	126.10	120.71	120.28	120.50	120.35	*******	
9	119.43	119.18	119.81	121.50	124.61	124.21	125.47	120.70	120.32	120.50	120.34	*******	
10	119.41	119.20	119.85	121.10	124.54	124.09	124.93	120.73	120.31	120.53	120.30	*******	
11	119.39	119.18	119.85	120.81	124.76	123.87	124.79	120.71	120.31	120.53	120.30	*******	
12	119.37	119.20	119.89	120.61	124.67	123.58	124.80	120.66	120.32	120.54	120.30	*******	
13	119.34	119.20	119.97	120.52	124.68	123.24	124.66	120.63	120.33	120.55	120.30	*******	
14	119.33	119.18	120.00	120.48	124.71	122.93	124.36	120.61	120.32	120.55	120.29	*******	
15	119.32	119.21	120.03	120.42	124.41	122.78	124.12	120.62	120.30	120.55	120.29	*******	
16	119.30	119.21	120.08	120.37	124.61	122.79	123.91	120.59	120.22	120.57	120.26	*******	
17	119.29	119.21	119.92	120.54	125.20	122.78	123.81	120.57	120.22	120.58	120.26	*******	
18	119.27	119.26	120.10	121.27	125.82	122.66	123.68	120.55	120.22	120.60	120.24	*******	
19	119.26	119.31	120.10	122.39	125.89	122.42	123.50	120.54	120.22	120.60	120.24	*******	
20	119.25	119.32	120.10	122.91	125.79	122.91	123.29	120.54	120.22	120.60	120.24	*******	
21	119.24	119.33	120.10	122.93	125.39	124.05	123.04	120.53	120.22	120.60	120.24	*******	
22	119.23	119.35	120.08	122.74	125.05	123.94	122.76	120.52	120.22	120.62	120.24	*******	
23	119.23	119.37	120.06	122.40	124.49	123.75	122.47	120.51	120.22	120.58	120.23	*******	
24	119.19	119.37	120.08	122.12	124.20	123.61	122.19	120.49	120.22	120.57	120.22	*******	
25	119.15	119.44	120.09	122.16	123.99	123.35	121.92	120.46	120.26	120.50	120.21	*******	
26	119.14	119.44	121.68	122.39	123.90	123.19	121.67	120.44	120.28	120.55	120.16	*******	
27	119.14	119.46	124.89	122.18	123.92	123.58	121.48	120.42	120.30	120.54	120.11	*******	
28	119.13	119.49	125.35	121.87	123.95	123.73	121.32	120.41	120.32	120.53	120.05	*******	
29	119.13	119.51	125.51	121.76	123.95	124.30	121.23	120.40	120.35	120.50	120.05	*******	
30	119.13	119.55	125.29	121.75	123.95	125.33	121.11	120.39	120.36	120.48		*******	
31		119.55		121.61	124.02		121.06		120.36	120.48		*******	
MEAN	119.31	119.29	120.65	122.06	124.16	123.73	123.76	120.63	120.29	120.54	120.28	*******	
MAX	119.50	119.55	125.51	124.77	125.89	125.33	126.55	120.98	120.37	120.62	120.48	*******	126.55
MIN	119.13	119.14	119.55	120.37	121.28	122.42	121.06	120.39	120.22	120.48	120.05	*******	*******

ANNUAL MAX MOMENTARY GAGE HEIGHT 126.70 M (MSL), AT 24.00 HOURS, ON OCT 6, 1983
ZERO GAGE AT BOTTOM ELEVATION 119.90 M (MSL), RIVER BED 116.88 M (MSL)
LEFT BANK ELEVATION 127.37 M (MSL)
RIGHT BANK ELEVATION 127.65 M (MSL), DRAINAGE AREA 1654 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.00	0.00	0.00	127.00	6.60	70.50	190.90	3.92	1.48	1.92	1.92	*******	
2	0.00	0.00	0.00	68.40	5.82	64.20	115.00	3.88	1.40	2.00	1.88	*******	
3	0.00	0.00	0.00	49.50	5.58	60.00	115.00	3.84	1.36	2.00	1.84	*******	
4	0.00	0.00	0.00	38.60	9.02	69.80	235.40	3.60	1.36	2.00	1.68	*******	
5	0.00	0.00	0.00	28.53	21.14	79.60	235.40	3.40	1.36	2.00	1.68	*******	
6	0.00	0.00	0.00	21.14	64.90	112.00	436.00	3.16	1.36	2.00	1.52	*******	
7	0.00	0.00	0.00	15.60	131.00	141.10	448.50	2.96	1.16	2.00	1.48	*******	
8	0.00	0.00	0.00	11.08	135.00	103.00	322.00	2.84	1.12	2.00	1.40	*******	
9	0.00	0.00	0.00	6.90	111.00	74.80	209.80	2.80	1.28	2.00	1.36	*******	
10	0.00	0.00	0.00	4.50	104.00	66.30	143.30	2.92	1.24	2.12	1.20	*******	
11	0.00	0.00	0.00	3.24	126.00	52.50	129.00	2.84	1.24	2.12	1.20	*******	
12	0.00	0.00	0.00	2.44	117.00	38.20	130.00	2.64	1.28	2.16	1.20	*******	
13	0.00	0.00	0.00	2.08	118.00	26.70	116.00	2.52	1.32	2.20	1.20	*******	
14	0.00	0.00	0.00	1.92	121.00	20.72	87.40	2.44	1.28	2.20	1.16	*******	
15	0.00	0.00	0.12	1.68	91.90	18.76	68.40	2.48	1.20	2.20	1.16	*******	
16	0.00	0.00	0.32	1.48	111.00	18.88	54.60	2.36	0.88	2.28	1.04	*******	
17	0.00	0.00	0.00	2.16	175.00	18.76	49.50	2.28	0.88	2.32	1.04	*******	
18	0.00	0.00	0.40	5.52	266.60	17.36	43.00	2.20	0.88	2.40	0.96	*******	
19	0.00	0.00	0.40	14.50	279.20	14.80	35.00	2.16	0.88	2.40	0.96	*******	
20	0.00	0.00	0.40	20.44	261.20	20.44	27.95	2.16	0.88	2.40	0.96	*******	
21	0.00	0.00	0.40	20.72	198.70	63.50	22.50	2.12	0.88	2.40	0.96	*******	
22	0.00	0.00	0.32	18.28	157.00	56.40	18.52	2.08	0.88	2.48	0.96	*******	
23	0.00	0.00	0.24	14.60	99.10	46.50	15.30	2.04	0.88	2.32	0.92	*******	
24	0.00	0.00	0.32	11.98	74.00	39.50	12.61	1.96	0.88	2.28	0.88	*******	
25	0.00	0.00	0.36	12.34	59.40	29.85	10.18	1.84	1.04	2.00	0.84	*******	
26	0.00	0.00	8.16	14.50	54.00	25.50	8.09	1.76	1.12	2.20	0.64	*******	
27	0.00	0.00	139.00	12.52	55.20	38.20	6.78	1.68	1.20	2.16	0.44	*******	
28	0.00	0.00	193.50	9.73	57.00	45.50	5.82	1.64	1.28	2.12	0.20	*******	
29	0.00	0.00	215.50	8.78	57.00	82.00	5.28	1.60	1.40	2.00	0.20	*******	
30	0.00	0.00	185.80	8.70	57.00	190.90	4.56	1.56	1.44	1.92		*******	
31		0.00		7.67	61.40		4.30		1.44	1.92		*******	
TOTAL	0.00	0.00	745.24	566.53	3190.76	1706.27	3306.09	75.68	36.28	66.52	32.88	*******	******** CMSDAY
MEAN	0.00	0.00	24.84	18.28	102.93	56.88	106.65	2.52	1.17	2.15	1.13	*******	******** CMS
MAX	0.00	0.00	215.50	127.00	279.20	190.90	448.50	3.92	1.48	2.48	1.92	*******	448.50 CMS
MIN	0.00	0.00	0.00	1.48	5.58	14.80	4.30	1.56	0.88	1.92	0.20	*******	******** CMS
RUNOFF	0.000	0.000	64.389	48.948	275.682	147.422	285.646	6.539	3.135	5.747	2.841	*******	******** MCM

MOMENTARY PEAK 493.00 CMS, AT 126.70 M (MSL), AT 24.00 HOURS, ON OCT 6, 1983

RUNOFF YIELD ********* LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 298.07 LITERS/SECOND/SQUARE KM

WATER YEAR 1983

MUN RIVER BASIN

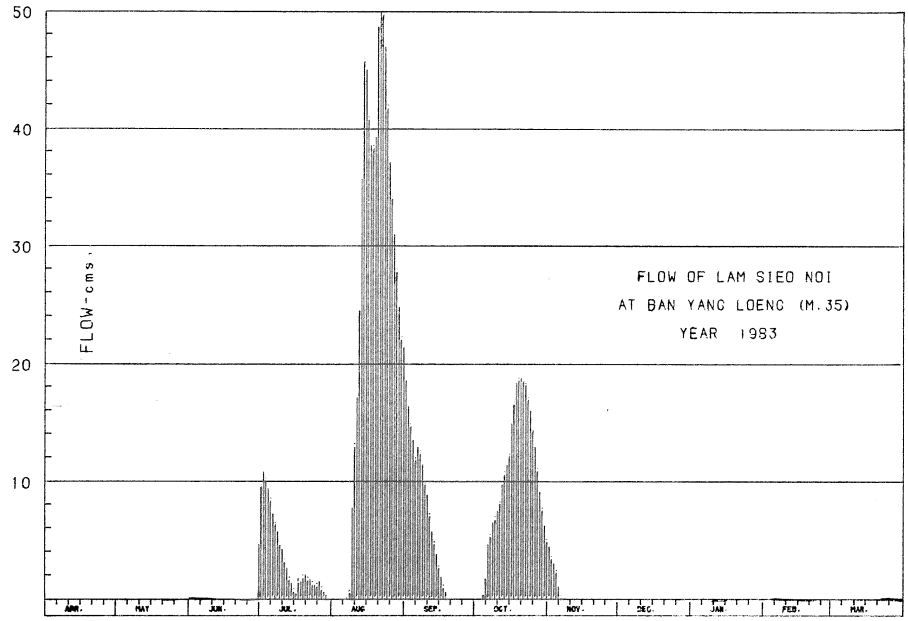
LAM SIEO NOI AT BAN YANG LOENG, ROI-ET (M.35)

LOCATION	LAT. 15°-38'-49" N., LONG. 103°-45'-00" E., ON RIGHT BANK AT THE BRIDGE ON HIGHWAY, BAN YANG LOENG, TAMBON SUNG YANG, AMPHOE SUWANNAPHUM, ROI-ET.
DRAINAGE AREA	672 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM	+121.876 M.(M.S.L.)
BENCH MARK	B.M.-H.D.
LOCATION	ON RIGHT BANK AT THE ABUTMENT OF THE BRIDGE.
ELEVATION	+126.666 M.(M.S.L)
GAGE READING FREQUENCY	3-5 TIME DAILY READINGS AT 06.00, 09.00, 12.00, 15.00, AND 18.00 HOURS.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 3-5 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1971 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1971-1974, 1979, 1981 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1971-1974, 1979, 1981 TO DATE.
STABILITY OF CHANNEL REGIMES	STABLE.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS FAIR. FLOW EFFECTED BY THE WEIR AT A POINT OF ABOUT 3 KILOMETERS DOWNSTREAM. STAGE-DISCHARGE RELATION DEFINED BY 9 DISCHARGE MEASUREMENTS MADE IN 1983.

GAGE HEIGHT IN METER (MSL), WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	122.55	122.36	122.31	123.96	123.47	124.23	123.30	123.75	122.93	122.69	122.66	122.45	
2	122.54	122.36	122.31	124.00	123.47	124.17	123.31	123.71	122.92	122.70	122.65	122.45	
3	122.53	122.35	122.30	123.98	123.46	124.13	123.43	123.68	122.90	122.71	122.65	122.44	
4	122.52	122.35	122.29	123.95	123.47	124.09	123.52	123.65	122.87	122.72	122.64	122.44	
5	122.52	122.35	122.28	123.92	123.46	124.04	123.61	123.57	122.86	122.73	122.63	122.43	
6	122.50	122.36	122.28	123.87	123.50	124.07	123.76	123.52	122.84	122.74	122.63	122.42	
7	122.49	122.36	122.27	123.84	123.51	124.06	123.80	123.51	122.84	122.74	122.62	122.42	
8	122.48	122.35	122.28	123.81	123.55	124.02	123.84	123.49	122.82	122.75	122.61	122.41	
9	122.47	122.35	122.30	123.77	123.89	123.97	123.86	123.47	122.77	122.75	122.60	122.41	
10	122.47	122.34	122.33	123.74	124.08	123.93	123.88	123.44	122.75	122.75	122.60	122.40	
11	122.46	122.33	122.35	123.70	124.19	123.87	123.91	123.39	122.73	122.75	122.59	122.39	
12	122.45	122.33	122.36	123.66	124.36	123.81	123.96	123.36	122.70	122.75	122.59	122.39	
13	122.44	122.32	122.36	123.62	124.54	123.77	124.00	123.35	122.69	122.75	122.58	122.38	
14	122.43	122.31	122.36	123.59	124.66	123.72	124.02	123.33	122.68	122.75	122.58	122.37	
15	122.42	122.30	122.35	123.56	124.65	123.67	124.05	123.35	122.67	122.75	122.57	122.36	
16	122.41	122.29	122.35	123.53	124.61	123.62	124.13	123.32	122.66	122.73	122.56	122.36	
17	122.40	122.28	122.34	123.61	124.58	123.58	124.18	123.25	122.68	122.73	122.56	122.35	
18	122.39	122.33	122.33	123.60	124.58	123.54	124.22	123.23	122.69	122.73	122.55	122.34	
19	122.38	122.32	122.34	123.63	124.59	123.50	124.23	123.20	122.69	122.72	122.54	122.33	
20	122.37	122.31	122.33	123.63	124.69	123.49	124.23	123.18	122.69	122.70	122.53	122.32	
21	122.37	122.30	122.32	123.62	124.71	123.45	124.23	123.17	122.69	122.70	122.53	122.35	
22	122.36	122.30	122.32	123.61	124.70	123.42	124.22	123.16	122.69	122.70	122.52	122.34	
23	122.35	122.29	122.31	123.60	124.67	123.41	124.19	123.13	122.68	122.70	122.52	122.35	
24	122.34	122.28	122.31	123.58	124.62	123.35	124.16	123.10	122.68	122.70	122.51	122.35	
25	122.33	122.33	122.30	123.59	124.56	123.30	124.12	123.08	122.68	122.69	122.50	122.34	
26	122.33	122.33	122.37	123.60	124.52	123.24	124.07	122.99	122.68	122.69	122.49	122.34	
27	122.33	122.32	122.94	123.57	124.47	123.20	124.01	122.96	122.67	122.69	122.48	122.33	
28	122.32	122.32	123.10	123.54	124.42	123.18	123.94	122.94	122.68	122.68	122.47	122.33	
29	122.31	122.32	123.35	123.52	124.36	123.28	123.89	122.92	122.68	122.68	122.46	122.32	
30	122.32	122.32	123.76	123.50	124.31	123.31	123.83	122.93	122.67	122.67		122.33	
31		122.31		123.48	124.29		123.78		122.68	122.67		122.39	
MEAN	122.42	122.32	122.45	123.68	124.22	123.68	123.93	123.30	122.74	122.72	122.57	122.38	
MAX	122.55	122.36	123.76	124.00	124.71	124.23	124.23	123.75	122.93	122.75	122.66	122.45	124.71
MIN	122.31	122.28	122.27	123.48	123.46	123.18	123.30	122.92	122.66	122.67	122.46	122.32	122.27

ANNUAL MAX MOMENTARY GAGE HEIGHT 124.71 M (MSL), AT 6.00 HOURS, ON AUG 21, 1983
ZERO GAGE AT BOTTOM ELEVATION 121.88 M (MSL), RIVER BED 121.47 M (MSL)
LEFT BANK ELEVATION 126.42 M (MSL)
RIGHT BANK ELEVATION 126.40 M (MSL), DRAINAGE AREA 672 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.00	0.00	0.00	9.68	0.00	18.79	0.00	4.45	0.00	0.00	0.00	0.00	
2	0.00	0.00	0.00	10.80	0.00	16.39	0.00	3.61	0.00	0.00	0.00	0.00	
3	0.00	0.00	0.00	10.24	0.00	14.91	0.00	3.02	0.00	0.00	0.00	0.00	
4	0.00	0.00	0.00	9.40	0.00	13.50	0.30	2.45	0.00	0.00	0.00	0.00	
5	0.00	0.00	0.00	8.56	0.00	12.00	1.69	1.05	0.00	0.00	0.00	0.00	
6	0.00	0.00	0.00	7.25	0.00	12.90	4.66	0.30	0.00	0.00	0.00	0.00	
7	0.00	0.00	0.00	6.50	0.15	12.60	5.50	0.15	0.00	0.00	0.00	0.00	
8	0.00	0.00	0.00	5.75	0.75	11.40	6.50	0.00	0.00	0.00	0.00	0.00	
9	0.00	0.00	0.00	4.87	7.75	9.96	7.00	0.00	0.00	0.00	0.00	0.00	
10	0.00	0.00	0.00	4.24	13.20	8.84	7.50	0.00	0.00	0.00	0.00	0.00	
11	0.00	0.00	0.00	3.40	17.13	7.25	8.28	0.00	0.00	0.00	0.00	0.00	
12	0.00	0.00	0.00	2.64	24.80	5.75	9.68	0.00	0.00	0.00	0.00	0.00	
13	0.00	0.00	0.00	1.88	35.68	4.87	10.80	0.00	0.00	0.00	0.00	0.00	
14	0.00	0.00	0.00	1.35	46.00	3.82	11.40	0.00	0.00	0.00	0.00	0.00	
15	0.00	0.00	0.00	0.90	45.00	2.83	12.30	0.00	0.00	0.00	0.00	0.00	
16	0.00	0.00	0.00	0.45	41.00	1.88	14.91	0.00	0.00	0.00	0.00	0.00	
17	0.00	0.00	0.00	1.69	38.56	1.20	16.76	0.00	0.00	0.00	0.00	0.00	
18	0.00	0.00	0.00	1.50	38.56	0.60	18.36	0.00	0.00	0.00	0.00	0.00	
19	0.00	0.00	0.00	2.07	39.28	0.00	18.79	0.00	0.00	0.00	0.00	0.00	
20	0.00	0.00	0.00	2.07	49.00	0.00	18.79	0.00	0.00	0.00	0.00	0.00	
21	0.00	0.00	0.00	1.88	51.40	0.00	18.79	0.00	0.00	0.00	0.00	0.00	
22	0.00	0.00	0.00	1.69	50.00	0.00	18.36	0.00	0.00	0.00	0.00	0.00	
23	0.00	0.00	0.00	1.50	47.00	0.00	17.13	0.00	0.00	0.00	0.00	0.00	
24	0.00	0.00	0.00	1.20	42.00	0.00	16.02	0.00	0.00	0.00	0.00	0.00	
25	0.00	0.00	0.00	1.35	37.12	0.00	14.54	0.00	0.00	0.00	0.00	0.00	
26	0.00	0.00	0.00	1.50	34.24	0.00	12.90	0.00	0.00	0.00	0.00	0.00	
27	0.00	0.00	0.00	1.05	31.00	0.00	11.10	0.00	0.00	0.00	0.00	0.00	
28	0.00	0.00	0.00	0.60	28.00	0.00	9.12	0.00	0.00	0.00	0.00	0.00	
29	0.00	0.00	0.00	0.30	24.80	0.00	7.75	0.00	0.00	0.00	0.00	0.00	
30	0.00	0.00	4.66	0.00	22.30	0.00	6.25	0.00	0.00	0.00		0.00	
31		0.00		0.00	21.37		5.08		0.00	0.00		0.00	
TOTAL	0.00	0.00	4.66	106.31	786.09	159.49	310.26	15.03	0.00	0.00	0.00	0.00	1381.84 CMSDAY
MEAN	0.00	0.00	0.16	3.43	25.36	5.32	10.01	0.50	0.00	0.00	0.00	0.00	3.78 CMS
MAX	0.00	0.00	4.66	10.80	51.40	18.79	18.79	4.45	0.00	0.00	0.00	0.00	51.40 CMS
MIN	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00 CMS
RUNOFF	0.000	0.000	0.403	9.185	67.918	13.780	26.806	1.299	0.000	0.000	0.000	0.000	119.391 MCM

MOMENTARY PEAK 51.40 CMS, AT 124.71 M (MSL), AT 6.00 HOURS, ON AUG 21, 1983

RUNOFF YIELD 5.62 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 76.49 LITERS/SECOND/SQUARE KM

WATER YEAR 1983

MUN RIVER BASIN

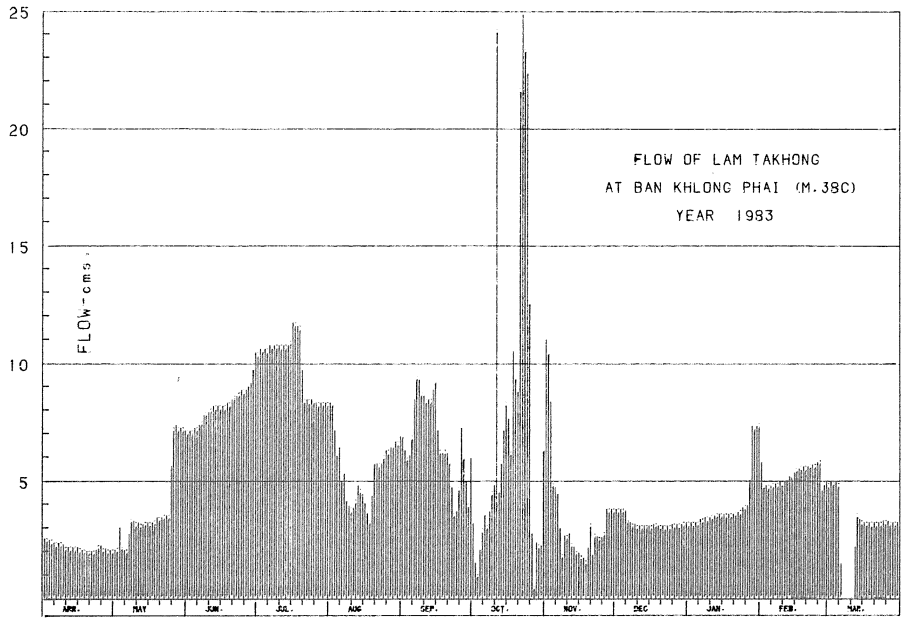
LAM TAKHONG AT BAN KHLONG PHAI, NAKHON RATCHASIMA (M.38C)

LOCATION	LAT. 14°-52'-06" N., LONG. 101°-33'-53" E., ON LEFT BANK ABOUT 500 METERS DOWNSTREAM FROM LAM TAKHONG DAM, TAMBON KHLONG PHAI, AMPHOE SIKHIU, NAKHON RATCHASIMA.
DRAINAGE AREA	1,292 SQ.KM.
TYPE OF GAGE	WATER-STAGE RECORDER.
ZERO GAGE AT BOTTOM	+242.00 M. (M.S.L.)
BENCH MARK	B.M.-H.D.
LOCATION	ON LEFT BANK ABOUT 20 METERS FROM THE MEASURING LINE.
ELEVATION	+251.841 M. (M.S.L.)
GAGE READING FREQUENCY	RECORDING.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 24 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1962 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1962-1965, 1967 - 1974, 1979 - 1981, 1983 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1962-1965, 1967 - 1974, 1979 - 1981, 1983 TO DATE.
STABILITY OF CHANNEL REGIMES	FAIRLY STABLE.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS FAIR. FLOW REGULATED BY LAM TAKHONG RESERVOIR DIVERTED FOR IRRIGATION OF ABOUT 62,080 HECTARES. STAGE-DISCHARGE RELATION DEFINED BY 16 DISCHARGE MEASUREMENTS MADE IN 1983.

GAGE HEIGHT IN METER (MSL), WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	245.08	245.00	245.58	245.82	245.67	245.57	245.19	245.77	245.01	244.93	245.27	245.16	
2	245.08	245.01	245.58	245.83	245.67	245.51	244.90	245.73	245.01	244.93	245.15	245.17	
3	245.07	245.15	245.58	245.83	245.58	245.48	244.77	245.54	245.01	244.93	245.15	245.17	
4	245.07	245.02	245.59	245.83	245.50	245.49	245.00	245.16	245.01	244.93	245.15	245.17	
5	245.05	245.00	245.59	245.83	245.52	245.56	245.14	245.14	245.00	244.93	245.15	245.16	
6	245.05	245.00	245.60	245.84	245.40	245.68	245.22	245.12	244.94	244.95	245.16	244.58	
7	245.05	245.11	245.61	245.84	245.42	245.75	245.16	244.89	244.93	244.95	245.16	244.27	
8	245.05	245.20	245.63	245.84	245.31	245.74	245.24	244.63	244.92	244.96	245.16	244.28	
9	245.04	245.19	245.64	245.84	245.27	245.70	245.34	244.82	244.92	244.96	245.17	244.28	
10	245.02	245.18	245.64	245.84	245.26	245.69	245.37	244.82	244.91	244.96	245.17	244.25	
11	245.02	245.18	245.65	245.84	245.26	245.68	246.53	244.84	244.91	244.97	245.17	244.25	
12	245.02	245.17	245.66	245.84	245.30	245.68	245.11	244.74	244.91	244.97	245.19	244.71	
13	245.02	245.17	245.66	245.84	245.37	245.68	245.28	244.71	244.91	244.98	245.20	244.98	
14	245.02	245.18	245.66	245.84	245.35	245.71	245.42	244.66	244.91	244.98	245.21	244.95	
15	245.02	245.18	245.66	245.85	245.33	245.74	245.54	244.65	244.91	244.98	245.22	244.94	
16	245.01	245.18	245.66	245.90	245.30	245.58	245.47	244.62	244.91	244.98	245.24	244.93	
17	245.00	245.18	245.66	245.90	245.23	245.51	245.32	244.60	244.92	244.98	245.24	244.93	
18	245.00	245.19	245.67	245.89	245.19	245.50	245.73	244.59	244.92	244.98	245.25	244.93	
19	244.99	245.21	245.67	245.89	245.32	245.51	245.64	244.70	244.91	244.98	245.25	244.93	
20	244.99	245.21	245.68	245.77	245.47	245.50	245.58	244.92	244.91	244.98	245.25	244.93	
21	244.99	245.21	245.69	245.68	245.46	245.47	246.41	244.63	244.91	244.99	245.25	244.93	
22	244.99	245.22	245.69	245.68	245.46	245.36	246.56	244.83	244.91	244.99	245.26	244.93	
23	245.00	245.22	245.70	245.68	245.46	245.23	246.49	244.81	244.91	245.00	245.26	244.93	
24	245.03	245.22	245.71	245.68	245.49	245.24	246.44	244.80	244.91	245.02	245.26	244.94	
25	245.03	245.45	245.71	245.68	245.51	245.36	245.89	244.80	244.92	245.03	245.27	244.94	
26	245.01	245.59	245.71	245.67	245.51	245.59	244.84	244.85	244.92	245.03	245.28	244.94	
27	245.01	245.60	245.73	245.67	245.52	245.49	244.50	245.01	244.92	245.20	245.12	244.93	
28	245.00	245.59	245.73	245.67	245.53	245.39	244.75	245.01	244.92	245.44	245.17	244.93	
29	245.00	245.59	245.78	245.67	245.54	245.28	244.73	245.01	244.92	245.44	245.17	244.93	
30	245.00	245.59	245.82	245.67	245.54	245.48	244.72	245.01	244.93	245.44		244.93	
31		245.58		245.67	245.56		245.34		244.93	245.45		244.93	
MEAN	245.02	245.24	245.66	245.78	245.43	245.54	245.41	244.91	244.93	245.04	245.21	244.85	
MAX	245.08	245.60	245.82	245.90	245.67	245.75	246.56	245.77	245.01	245.45	245.28	245.17	246.56
MIN	244.99	245.00	245.58	245.67	245.19	245.23	244.50	244.59	244.91	244.93	245.12	244.25	244.25

ANNUAL MAX MOMENTARY GAGE HEIGHT 246.96 M (MSL), AT 16.00 HOURS, ON OCT 11, 1983
ZERO GAGE AT BOTTOM ELEVATION 242.00 M (MSL), RIVER BED 243.83 M (MSL)
LEFT BANK ELEVATION 251.62 M (MSL)
RIGHT BANK ELEVATION 252.95 M (MSL), DRAINAGE AREA 1292 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	2.58	2.10	7.16	10.47	8.34	7.04	3.33	11.03	3.82	3.26	5.80	4.90	
2	2.58	2.16	7.16	10.63	8.34	6.32	1.55	10.52	3.82	3.26	4.82	4.97	
3	2.52	3.05	7.16	10.63	7.16	5.98	1.05	8.37	3.82	3.26	4.82	4.97	
4	2.52	2.22	7.28	10.63	6.20	6.09	2.10	4.90	3.82	3.26	4.82	4.97	
5	2.40	2.10	7.28	10.63	6.44	6.92	2.98	4.75	3.75	3.26	4.82	4.90	
6	2.40	2.10	7.40	10.79	5.10	8.48	3.56	4.60	3.33	3.40	4.90	1.51	
7	2.40	2.77	7.53	10.79	5.32	9.45	3.12	3.01	3.26	3.40	4.90	0.00	
8	2.40	3.40	7.81	10.79	4.29	9.31	3.72	1.88	3.19	3.47	4.90	0.00	
9	2.34	3.33	7.94	10.79	3.96	8.75	4.56	2.70	3.19	3.47	4.97	0.00	
10	2.22	3.26	7.94	10.79	3.88	8.62	4.83	2.70	3.12	3.47	4.97	0.00	
11	2.22	3.26	8.07	10.79	3.88	8.48	24.23	2.79	3.12	3.54	4.97	0.00	
12	2.22	3.19	8.21	10.79	4.20	8.48	4.52	2.36	3.12	3.54	5.13	2.23	
13	2.22	3.19	8.21	10.79	4.83	8.48	5.88	2.23	3.12	3.61	5.20	3.61	
14	2.22	3.26	8.21	10.79	4.65	8.89	7.15	2.01	3.12	3.61	5.29	3.40	
15	2.22	3.26	8.21	10.95	4.47	9.31	8.37	1.97	3.12	3.61	5.37	3.33	
16	2.16	3.26	8.21	11.75	4.20	7.16	7.65	1.84	3.12	3.61	5.54	3.26	
17	2.10	3.26	8.21	11.75	3.64	6.32	6.23	1.75	3.19	3.61	5.54	3.26	
18	2.10	3.33	8.34	11.59	3.33	6.20	10.52	1.63	3.19	3.61	5.63	3.26	
19	2.05	3.48	8.34	11.59	4.38	6.32	9.46	2.18	3.12	3.61	5.63	3.26	
20	2.05	3.48	8.48	9.73	5.87	6.20	8.79	3.19	3.12	3.61	5.63	3.26	
21	2.05	3.48	8.62	8.48	5.76	5.87	21.71	1.88	3.12	3.68	5.63	3.26	
22	2.05	3.56	8.62	8.48	5.76	4.74	24.86	2.75	3.12	3.68	5.71	3.26	
23	2.10	3.56	8.75	8.48	5.76	3.64	23.39	2.66	3.12	3.75	5.71	3.26	
24	2.28	3.56	8.89	8.48	6.09	3.72	22.34	2.62	3.12	3.89	5.71	3.33	
25	2.28	5.65	8.89	8.48	6.32	4.74	12.66	2.62	3.19	3.96	5.80	3.33	
26	2.16	7.28	8.89	8.34	6.32	7.28	2.79	2.83	3.19	3.96	5.88	3.33	
27	2.16	7.40	9.17	8.34	6.44	6.09	0.55	3.82	3.19	5.20	4.60	3.26	
28	2.10	7.28	9.17	8.34	6.56	5.01	2.40	3.82	3.19	7.35	4.97	3.26	
29	2.10	7.28	9.87	8.34	6.68	4.04	2.31	3.82	3.19	7.35	4.97	3.26	
30	2.10	7.28	10.47	8.34	6.68	5.98	2.27	3.82	3.26	7.35		3.26	
31		7.16		8.34	6.92		6.41		3.26	7.45		3.26	
TOTAL	67.30	122.95	248.49	309.90	171.77	203.91	245.29	107.05	101.41	127.09	152.63	91.16	1948.95 CMSDAY
MEAN	2.24	3.97	8.28	10.00	5.54	6.80	7.91	3.57	3.27	4.10	5.26	2.94	5.33 CMS
MAX	2.58	7.40	10.47	11.75	8.34	9.45	24.86	11.03	3.82	7.45	5.88	4.97	24.86 CMS
MIN	2.05	2.10	7.16	8.34	3.33	3.64	0.55	1.63	3.12	3.26	4.60	0.00	0.00 CMS
RUNOFF	5.815	10.623	21.470	26.775	14.841	17.618	21.193	9.249	8.762	10.981	13.187	7.876	168.389 MCM

MOMENTARY PEAK 34.04 CMS, AT 246.96 M (MSL), AT 16.00 HOURS, ON OCT 11, 1983

RUNOFF YIELD 4.12 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 26.35 LITERS/SECOND/SQUARE KM

WATER YEAR 1983

MUN RIVER BASIN

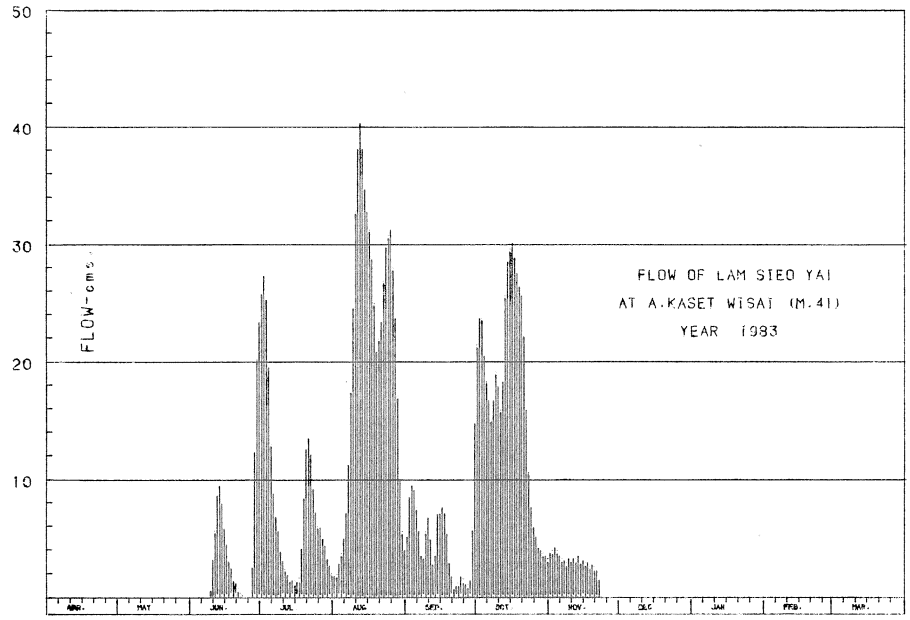
LAM SIEO YAI AT KASET WISAI, ROI ET (M.41)

LOCATION	LAT. 15°-38'-46" N., LONG. 103°-33'-55" E., ON LEFT BANK AT TAMBON KASET WISAI, AMPHOE KASET WISAI, ROI ET.
DRAINAGE AREA	1,310 SQ.KM.
TYPE OF GAGE	WATER-STAGE RECORDER.
ZERO GAGE AT BOTTOM	+125.30 M.(M.S.L.)
BENCH MARK	B.M.-H.D.
LOCATION	ON LEFT BANK AT THE AUTOMATIC GAGE BUILDING.
ELEVATION	+128.419 M.(M.S.L.)
GAGE READING FREQUENCY	RECORDING.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 24 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1971 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1971-1974, 1983 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1971-1974, 1983 TO DATE.
STABILITY OF CHANNEL REGIMES	FAIRLY STABLE.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS FAIR. STAGE-DISCHARGE RELATION DEFINED BY 13 DISCHARGE MEASUREMENTS MADE IN 1983.

GAGE HEIGHT IN METER (MSL), WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	125.80	125.77	125.81	127.94	126.74	127.39	127.85	127.32	126.97	126.51	126.13	125.98	
2	125.80	125.79	125.81	127.97	126.76	127.50	127.90	127.33	126.95	126.50	126.13	125.97	
3	125.80	125.81	125.81	127.93	126.87	127.54	127.90	127.34	126.93	126.50	126.13	125.97	
4	125.80	125.82	125.80	127.77	126.97	127.52	127.83	127.33	126.92	126.47	126.12	125.96	
5	125.80	125.82	125.80	127.54	127.08	127.47	127.78	127.31	126.90	126.46	126.12	125.95	
6	125.79	125.82	125.80	127.34	127.25	127.40	127.74	127.30	126.86	126.45	126.12	125.95	
7	125.79	125.82	125.79	127.23	127.46	127.32	127.70	127.29	126.83	126.41	126.11	125.95	
8	125.79	125.82	125.96	127.13	127.71	127.30	127.74	127.28	126.81	126.35	126.08	125.95	
9	125.79	125.83	126.53	127.01	127.91	127.40	127.80	127.30	126.79	126.33	126.08	125.95	
10	125.79	125.81	126.91	126.90	128.08	127.44	127.77	127.30	126.77	126.31	126.07	125.94	
11	125.79	125.80	127.13	126.82	128.18	127.38	127.72	127.30	126.76	126.30	126.07	125.93	
12	125.78	125.78	127.33	126.75	128.22	127.27	127.78	127.30	126.74	126.27	126.07	125.92	
13	125.78	125.78	127.39	126.71	128.18	127.32	127.94	127.31	126.72	126.25	126.07	125.92	
14	125.78	125.78	127.29	126.69	128.12	127.45	128.00	127.29	126.69	126.24	126.07	125.92	
15	125.78	125.78	127.16	126.68	128.08	127.46	128.02	127.29	126.68	126.22	126.05	125.91	
16	125.78	125.78	127.04	126.66	128.05	127.47	128.03	127.28	126.66	126.22	126.05	125.90	
17	125.78	125.77	126.92	126.72	128.00	127.46	128.01	127.28	126.65	126.22	126.05	125.90	
18	125.77	125.81	126.82	127.01	127.92	127.39	127.98	127.27	126.64	126.22	126.04	125.89	
19	125.76	125.79	126.72	127.33	127.81	127.29	127.96	127.27	126.63	126.21	126.04	125.89	
20	125.76	125.77	126.64	127.52	127.84	127.21	127.94	127.26	126.62	126.20	126.04	125.88	
21	125.56	125.74	126.56	127.57	127.88	127.16	127.87	127.24	126.60	126.19	126.04	125.88	
22	125.56	125.74	126.48	127.50	127.96	127.16	127.72	127.21	126.59	126.19	126.04	125.88	
23	125.53	125.73	126.44	127.37	128.02	127.18	127.57	127.12	126.58	126.18	126.03	125.89	
24	125.51	125.73	126.40	127.24	128.04	127.21	127.47	127.09	126.58	126.18	126.03	125.89	
25	125.52	125.78	126.37	127.16	128.05	127.20	127.42	127.08	126.56	126.17	126.02	125.89	
26	125.54	125.78	126.42	127.15	127.99	127.17	127.38	127.08	126.56	126.17	126.02	125.89	
27	125.56	125.78	126.85	127.10	127.90	127.17	127.35	127.06	126.54	126.16	126.02	125.89	
28	125.56	125.78	127.51	127.03	127.75	127.19	127.33	127.04	126.52	126.16	126.01	125.87	
29	125.56	125.80	127.79	126.94	127.55	127.41	127.32	127.04	126.52	126.15	125.99	125.87	
30	125.61	125.80	127.88	126.85	127.40	127.69	127.31	127.00	126.52	126.14		125.88	
31		125.81		126.77	127.33		127.30		126.51	126.14		125.89	
MEAN	125.71	125.79	126.64	127.17	127.71	127.35	127.72	127.23	126.70	126.27	126.06	125.91	
MAX	125.80	125.83	127.88	127.97	128.22	127.69	128.03	127.34	126.97	126.51	126.13	125.98	128.22
MIN	125.51	125.73	125.79	126.66	126.74	127.16	127.30	127.00	126.51	126.14	125.99	125.87	125.51

ANNUAL MAX MOMENTARY GAGE HEIGHT 128.25 M (MSL), AT 5.00 HOURS, ON AUC 12, 1983
ZERO GAGE AT BOTTOM ELEVATION 125.30 M (MSL), RIVER BED 125.11 M (MSL)
LEFT BANK ELEVATION 130.87 M (MSL)
RIGHT BANK ELEVATION 130.91 M (MSL), DRAINAGE AREA 1310 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.00	0.00	0.00	25.94	1.82	5.37	21.40	3.76	0.00	0.00	0.00	0.00	
2	0.00	0.00	0.00	27.32	1.98	8.50	23.70	3.99	0.00	0.00	0.00	0.00	
3	0.00	0.00	0.00	25.48	2.86	9.70	23.70	4.22	0.00	0.00	0.00	0.00	
4	0.00	0.00	0.00	19.54	3.73	9.10	20.48	3.99	0.00	0.00	0.00	0.00	
5	0.00	0.00	0.00	13.02	4.96	7.63	18.30	3.53	0.00	0.00	0.00	0.00	
6	0.00	0.00	0.00	8.82	7.35	5.60	16.70	3.30	0.00	0.00	0.00	0.00	
7	0.00	0.00	0.00	7.05	11.22	3.76	15.10	3.13	0.00	0.00	0.00	0.00	
8	0.00	0.00	0.00	5.62	17.62	3.30	16.70	2.96	0.00	0.00	0.00	0.00	
9	0.00	0.00	0.65	4.12	24.56	5.60	19.10	3.30	0.00	0.00	0.00	0.00	
10	0.00	0.00	3.19	3.10	32.78	6.76	17.90	3.30	0.00	0.00	0.00	0.00	
11	0.00	0.00	5.62	2.46	38.12	5.14	15.90	3.30	0.00	0.00	0.00	0.00	
12	0.00	0.00	8.64	1.90	40.50	2.79	18.30	3.30	0.00	0.00	0.00	0.00	
13	0.00	0.00	9.72	1.58	38.12	3.76	25.62	3.53	0.00	0.00	0.00	0.00	
14	0.00	0.00	7.95	1.45	34.88	7.05	28.50	3.13	0.00	0.00	0.00	0.00	
15	0.00	0.00	6.04	1.40	32.78	7.34	29.56	3.13	0.00	0.00	0.00	0.00	
16	0.00	0.00	4.48	1.30	31.25	7.63	30.09	2.96	0.00	0.00	0.00	0.00	
17	0.00	0.00	3.28	1.66	28.70	7.34	29.03	2.96	0.00	0.00	0.00	0.00	
18	0.00	0.00	2.46	4.12	25.02	5.37	27.54	2.79	0.00	0.00	0.00	0.00	
19	0.00	0.00	1.66	8.64	20.86	3.13	26.58	2.79	0.00	0.00	0.00	0.00	
20	0.00	0.00	1.20	12.56	21.94	1.77	25.62	2.62	0.00	0.00	0.00	0.00	
21	0.00	0.00	0.80	13.71	23.38	0.96	22.32	2.28	0.00	0.00	0.00	0.00	
22	0.00	0.00	0.40	12.10	26.86	0.96	15.90	1.77	0.00	0.00	0.00	0.00	
23	0.00	0.00	0.20	9.36	29.72	1.28	10.60	0.32	0.00	0.00	0.00	0.00	
24	0.00	0.00	0.00	7.20	30.74	1.77	7.63	0.00	0.00	0.00	0.00	0.00	
25	0.00	0.00	0.00	6.04	31.25	1.60	6.18	0.00	0.00	0.00	0.00	0.00	
26	0.00	0.00	0.10	5.90	28.02	1.12	5.14	0.00	0.00	0.00	0.00	0.00	
27	0.00	0.00	2.70	5.20	23.70	1.12	4.45	0.00	0.00	0.00	0.00	0.00	
28	0.00	0.00	12.33	4.36	17.10	1.44	3.99	0.00	0.00	0.00	0.00	0.00	
29	0.00	0.00	20.18	3.46	10.00	5.89	3.76	0.00	0.00	0.00	0.00	0.00	
30	0.00	0.00	23.38	2.70	5.60	14.74	3.53	0.00	0.00	0.00		0.00	
31		0.00		2.06	3.99		3.30		0.00	0.00		0.00	
TOTAL	0.00	0.00	114.98	249.17	651.41	147.52	536.62	70.36	0.00	0.00	0.00	0.00	1770.06 CMSDAY
MEAN	0.00	0.00	3.83	8.04	21.01	4.92	17.31	2.35	0.00	0.00	0.00	0.00	4.84 CMS
MAX	0.00	0.00	23.38	27.32	40.50	14.74	30.09	4.22	0.00	0.00	0.00	0.00	40.50 CMS
MIN	0.00	0.00	0.00	1.30	1.82	0.96	3.30	0.00	0.00	0.00	0.00	0.00	0.00 CMS
RUNOFF	0.000	0.000	9.934	21.528	56.282	12.746	46.364	6.079	0.000	0.000	0.000	0.000	152.933 MCM

MOMENTARY PEAK 42.45 CMS, AT 128.25 M (MSL), AT 5.00 HOURS, ON AUC 12, 1983

RUNOFF YIELD 3.69 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 32.40 LITERS/SECOND/SQUARE KM

WATER YEAR 1983

MUN RIVER BASIN

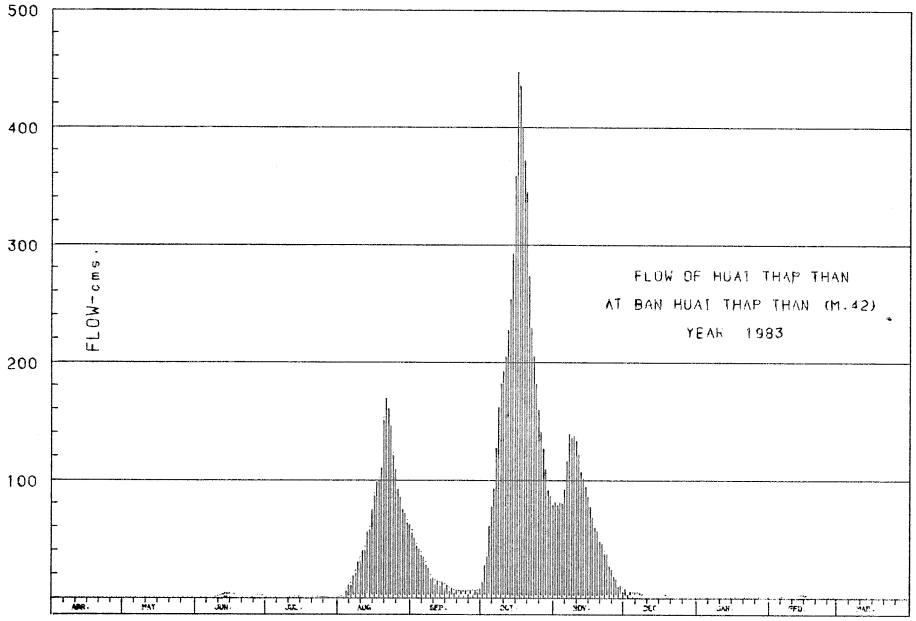
HUAI THAP THAN AT BAN HUAI THAP THAN, SI SA KET (M.42)

LOCATION	LAT. 15°-02'-42" N., LONG. 104°-01'-29" E., ON LEFT BANK AT THE BRIDGE ON HIGHWAY, AMPHOE UTHUMPHON PHISAI, SI SA KET.
DRAINAGE AREA	1,794 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM	+0.00 M. (A.D.)
BENCH MARK	B.M.-H.D.
LOCATION	ON RIGHT BANK UNDER TAMARIND TREE INFRONT OF THE JOSS HOUSE, ABOUT 120 METERS FROM THE GAGE SITE.
ELEVATION	+9.820 M. (A.D.)
GAGE READING FREQUENCY	5-TIME DAILY READINGS AT 06.00, 09.00, 12.00, 15.00 AND 18.00 HOURS.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 5 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1972 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1972 - 1981.
RATED BY FLOAT	-
RATED BY CURRENT METER	1972 - 1981.
STABILITY OF CHANNEL REGIMES	FAIRLY STABLE.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS FAIR. STAGE-DISCHARGE RELATION DEFINED BY 174 DISCHARGE MEASUREMENTS MADE DURING 1977-1981.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.63	0.62	0.68	0.94	0.93	6.23	2.76	7.50	1.93	0.94	0.67	0.56	
2	0.64	0.62	0.67	0.92	0.96	5.73	3.89	7.50	1.73	0.91	0.68	0.56	
3	0.64	0.63	0.67	0.90	1.02	5.36	4.70	7.49	1.63	0.87	0.70	0.56	
4	0.64	0.64	0.68	0.88	1.97	5.00	6.44	7.56	1.57	0.84	0.75	0.56	
5	0.64	0.64	0.68	0.87	2.30	4.80	7.45	7.89	1.56	0.81	0.80	0.56	
6	0.64	0.64	0.68	0.86	2.51	4.46	7.91	8.39	1.54	0.79	0.82	0.56	
7	0.64	0.65	0.69	0.85	3.07	4.16	8.54	8.65	1.45	0.78	0.85	0.56	
8	0.64	0.65	0.77	0.83	3.54	3.73	8.90	8.64	1.27	0.77	0.93	0.56	
9	0.63	0.65	0.83	0.82	4.13	3.19	9.08	8.63	1.20	0.76	0.93	0.56	
10	0.63	0.65	0.97	0.84	4.45	2.90	9.14	8.61	1.16	0.76	0.97	0.56	
11	0.63	0.64	1.10	0.86	4.88	2.74	9.24	8.44	1.13	0.76	0.98	0.56	
12	0.62	0.64	1.26	0.88	5.15	2.65	9.36	8.23	1.11	0.75	1.02	0.56	
13	0.62	0.64	1.44	0.92	6.11	2.60	9.51	8.08	1.09	0.72	1.07	0.56	
14	0.62	0.63	1.46	0.94	6.40	2.58	9.67	8.00	1.08	0.70	1.11	0.57	
15	0.62	0.63	1.43	0.96	7.24	2.43	9.92	7.70	1.09	0.68	1.13	0.57	
16	0.62	0.63	1.36	0.98	7.80	2.30	10.14	7.43	1.13	0.68	1.04	0.57	
17	0.62	0.63	1.29	1.00	8.03	2.14	10.12	6.91	1.16	0.69	0.95	0.57	
18	0.62	0.64	1.16	1.03	8.10	2.02	10.03	6.50	1.17	0.70	0.92	0.57	
19	0.61	0.64	0.95	1.02	8.25	1.85	9.96	6.14	1.17	0.70	0.83	0.57	
20	0.61	0.64	0.84	1.00	8.81	1.79	9.87	5.71	1.15	0.69	0.75	0.58	
21	0.62	0.65	0.86	0.94	8.96	1.76	9.60	5.33	1.11	0.69	0.68	0.59	
22	0.62	0.65	0.92	0.94	8.91	1.74	9.37	4.87	1.10	0.68	0.68	0.59	
23	0.62	0.64	0.96	0.90	8.73	1.73	9.24	4.65	1.08	0.68	0.68	0.59	
24	0.65	0.64	1.00	0.90	8.46	1.75	9.06	4.06	1.07	0.67	0.67	0.59	
25	0.65	0.65	1.05	0.88	8.23	1.76	8.90	3.61	1.06	0.67	0.67	0.59	
26	0.64	0.66	1.08	0.84	7.95	1.78	8.67	3.30	1.05	0.67	0.66	0.59	
27	0.63	0.66	1.11	0.81	7.68	1.79	8.53	2.80	1.04	0.67	0.65	0.59	
28	0.62	0.67	1.15	0.83	7.35	1.78	8.23	2.44	1.03	0.67	0.64	0.59	
29	0.61	0.68	1.08	0.85	7.10	1.83	7.93	2.27	1.01	0.67	0.62	0.59	
30	0.61	0.68	0.99	0.87	6.80	1.98	7.72	2.10	1.00	0.67		0.60	
31		0.67		0.89	6.53		7.51		0.97	0.67		0.70	
MEAN	0.63	0.65	0.99	0.90	5.88	2.89	8.43	6.31	1.22	0.73	0.82	0.58	
MAX	0.65	0.68	1.46	1.03	8.96	6.23	10.14	8.65	1.93	0.94	1.13	0.70	10.14
MIN	0.61	0.62	0.67	0.81	0.93	1.73	2.76	2.10	0.97	0.67	0.62	0.56	0.56

ANNUAL MAX MOMENTARY GAGE HEIGHT 10.15 M (A.D), AT 12.00 HOURS, ON OCT 16, 1983
ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D), RIVER BED 0.49 M (A.D)
LEFT BANK ELEVATION 11.37 M (A.D)
RIGHT BANK ELEVATION 11.28 M (A.D), DRAINAGE AREA 1794 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.58	0.55	0.70	1.70	1.65	57.95	15.60	81.29	7.73	1.70	0.68	0.40	
2	0.60	0.55	0.68	1.60	1.80	51.04	27.44	81.29	6.23	1.55	0.70	0.40	
3	0.60	0.58	0.68	1.50	2.10	46.29	37.83	81.05	5.48	1.35	0.75	0.40	
4	0.60	0.60	0.70	1.40	8.03	41.67	61.10	82.70	5.03	1.20	0.88	0.40	
5	0.60	0.60	0.70	1.35	11.00	39.11	80.11	92.15	4.95	1.05	1.00	0.40	
6	0.60	0.60	0.70	1.30	13.10	34.75	92.95	118.40	4.80	0.98	1.10	0.40	
7	0.60	0.62	0.72	1.25	18.70	30.90	129.90	139.25	4.25	0.95	1.25	0.40	
8	0.60	0.62	0.92	1.15	23.40	25.38	162.00	138.40	3.35	0.92	1.65	0.40	
9	0.58	0.62	1.15	1.10	30.52	19.90	184.40	137.55	3.00	0.90	1.65	0.40	
10	0.58	0.62	1.85	1.20	34.62	17.00	192.60	135.85	2.80	0.90	1.85	0.40	
11	0.58	0.60	2.50	1.30	40.13	15.40	207.40	122.00	2.65	0.90	1.90	0.40	
12	0.55	0.60	3.30	1.40	43.60	14.50	227.80	109.27	2.55	0.88	2.10	0.40	
13	0.55	0.60	4.20	1.60	56.15	14.00	256.20	101.27	2.45	0.80	2.35	0.40	
14	0.55	0.58	4.30	1.70	60.50	13.80	292.80	97.00	2.40	0.75	2.55	0.42	
15	0.55	0.58	4.15	1.80	75.16	12.30	360.60	86.00	2.45	0.70	2.65	0.42	
16	0.55	0.58	3.80	1.90	89.00	11.00	447.20	79.64	2.65	0.70	2.20	0.42	
17	0.55	0.58	3.45	2.00	98.60	9.40	437.60	68.15	2.80	0.72	1.75	0.42	
18	0.55	0.60	2.80	2.15	102.33	8.40	399.30	62.00	2.85	0.75	1.60	0.42	
19	0.53	0.60	1.75	2.10	110.33	7.13	373.80	56.60	2.85	0.75	1.15	0.42	
20	0.53	0.60	1.20	2.00	153.00	6.68	345.30	50.78	2.75	0.72	0.88	0.45	
21	0.55	0.62	1.30	1.70	169.20	6.45	276.00	45.91	2.55	0.72	0.70	0.47	
22	0.55	0.62	1.60	1.70	163.20	6.30	229.60	40.01	2.50	0.70	0.70	0.47	
23	0.55	0.60	1.80	1.50	146.05	6.23	207.40	37.18	2.40	0.70	0.70	0.47	
24	0.62	0.60	2.00	1.50	123.50	6.38	181.80	29.62	2.35	0.68	0.68	0.47	
25	0.62	0.62	2.25	1.40	109.27	6.45	162.00	24.10	2.30	0.68	0.68	0.47	
26	0.60	0.65	2.40	1.20	94.75	6.60	140.95	21.00	2.25	0.68	0.65	0.47	
27	0.58	0.65	2.55	1.05	85.53	6.68	129.05	16.00	2.20	0.68	0.62	0.47	
28	0.55	0.68	2.75	1.15	77,75	6.60	109.27	12.40	2.15	0.68	0.60	0.47	
29	0.53	0.70	2.40	1.25	71.86	6.98	93.85	10.70	2.05	0.68	0.55	0.47	
30	0.53	0.70	1.95	1.35	66.50	8.10	86.60	9.00	2.00	0.68		0.50	
31		0.68		1.45	62.45		81.52		1.85	0.68		0.75	
TOTAL	17.11	19.00	61.25	46.75	2143.78	543.37	6029.97	2166.56	98.62	26.73	36.52	13.65	11203.31 CMSDAY
MEAN	0.57	0.61	2.04	1.51	69.15	18.11	194.52	72.22	3.18	0.86	1.26	0.44	30.61 CMS
MAX	0.62	0.70	4.30	2.15	169.20	57.95	447.20	139.25	7.73	1.70	2.65	0.75	447.20 CMS
MIN	0.53	0.55	0.68	1.05	1.65	6.23	15.60	9.00	1.85	0.68	0.55	0.40	0.40 CMS
RUNOFF	1.478	1.642	5.292	4.039	185.223	46.947	520.989	187.191	8.521	2.309	3.155	1.179	967.966 MCM

MOMENTARY PEAK 452.00 CMS, AT 10.15 M (A.D), AT 12.00 HOURS, ON OCT 16, 1983

RUNOFF YIELD 17.06 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 251.95 LITERS/SECOND/SQUARE KM

WATER YEAR 1983

MUN RIVER BASIN

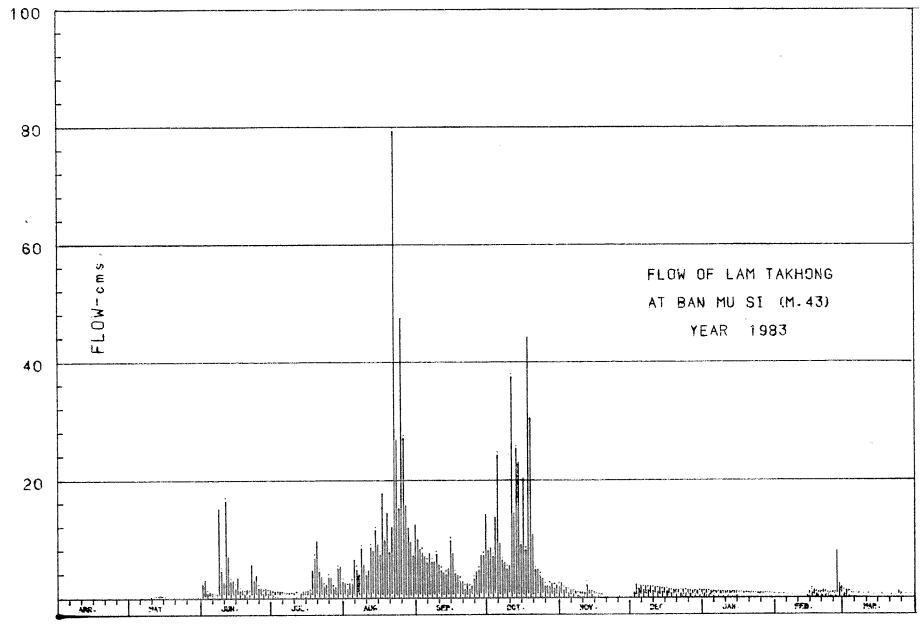
LAM TAKHONG AT BAN MU SI, NAKHON RATCHASIMA (M.43)

LOCATION	LAT. 14°-31'-40" N., LONG. 101°-24'-09" E., ON LEFT BANK INFRONT OF HIGHWAY MAINTENANCE OFFICE, BAN MU SI, AMPHOE PAK CHONG, NAKHON RATCHASIMA.
DRAINAGE AREA	235 SQ.KM.
TYPE OF GAGE	WATER-STAGE RECORDER.
ZERO GAGE AT BOTTOM	+0.00 M. (A.D.)
BENCH MARK	B.M.-H.D.
LOCATION	NEAR THE AUTOMATIC GAGE BUILDING.
ELEVATION	+5.592 M. (A.D.)
GAGE READING FREQUENCY	RECORDING.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 24 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1965 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1965, 1967-1973
RATED BY FLOAT	-
RATED BY CURRENT METER	1965, 1967-1973
STABILITY OF CHANNEL REGIMES	RATHER UNSTABLE.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS FAIR. STAGE-DISCHARGE RELATION DEFINED BY 178 DISCHARGE MEASUREMENTS MADE DURING 1969-1973.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.24	0.12	0.83	0.64	0.82	1.30	1.20	0.82	0.39	0.66	0.53	0.68	
2	0.23	0.11	0.86	0.63	0.81	1.19	1.20	0.76	0.67	0.66	0.52	0.65	
3	0.17	0.10	0.66	0.63	0.82	1.20	1.15	0.73	0.80	0.65	0.53	0.63	
4	0.16	0.09	0.61	0.64	0.87	1.12	1.44	0.71	0.78	0.63	0.53	0.57	
5	0.16	0.08	0.57	0.61	1.09	1.10	1.81	0.67	0.77	0.62	0.52	0.56	
6	0.15	0.33	0.55	0.60	1.03	1.15	1.24	0.66	0.76	0.62	0.50	0.55	
7	0.15	0.30	0.54	0.58	0.93	1.10	1.11	0.63	0.76	0.62	0.49	0.54	
8	0.16	0.29	1.50	0.58	1.22	1.07	1.06	0.60	0.76	0.62	0.48	0.53	
9	0.16	0.34	1.01	0.59	1.04	1.17	1.03	0.60	0.76	0.61	0.48	0.53	
10	0.15	0.37	0.83	0.57	0.96	1.04	1.03	0.58	0.75	0.61	0.49	0.54	
11	0.15	0.41	1.57	0.62	0.98	1.02	1.15 2.15	0.57	0.74	0.61	0.51	0.54	
12	0.14	0.44	1.12	0.55	1.23	0.95	1.47	0.84	0.74	0.61	0.51	0.52	
13	0.15	0.45	0.88	0.69	1.17	0.98	1.84	0.65	0.73	0.61	0.49	0.51	
14	0.16	0.45	0.85	0.64	1.37	1.00	1.76	0.63	0.72	0.62	0.59	0.50	
15	0.16	0.44	0.81	0.63	1.23	1.29	1.25	0.61	0.72	0.61	0.61	0.50	
16	0.17	0.40	0.89	0.66	1.17	1.15	1.68	0.57	0.72	0.60	0.72	0.50	
17	0.15	0.38	0.74	0.69	1.60	0.98	1.21	0.55	0.70	0.59	0.66	0.49	
18	0.15	0.37	0.69	0.98	1.29	0.92	2.29 1.29	0.52	0.68	0.58	0.62	0.50	
19	0.16	0.36	0.66	1.14	1.47	0.90	1.98	0.49	0.67	0.58	0.61	0.49	
20	0.16	0.35	0.70	1.26	1.19	0.84	1.31	0.48	0.66	0.58	0.60	0.50	
21	0.16	0.35	0.66	1.00	1.37 1.9	0.80	1.02	0.46	0.67	0.58	0.66	0.50	
22	0.15	0.35	1.04	0.90	3.00 *	0.81	0.99	0.44	0.68	0.58	0.62	0.48	
23	0.15	0.35	0.91	0.82	1.87	0.80	0.95	0.43	0.68	0.57	0.59	0.49	
24	0.13	0.34	0.92	0.80	1.52	0.77	0.88	0.42	0.68	0.56	0.57	0.62	
25	0.12	0.33	0.80	0.93	2.36 1.5	0.91	0.82	0.42	0.66	0.56	0.60	0.54	
26	0.12	0.32	0.73	0.89	1.89	0.96	0.77	0.42	0.65	0.56	0.59	0.52	
27	0.12	0.32	0.70	0.79	1.52	1.02	0.83	0.42	0.64	0.56	1.17	0.51	
28	0.12	0.30	0.72	0.75	1.39	1.13	0.81	0.41	0.64	0.56	0.86	0.52	
29	0.12	0.32	0.69	1.03	1.25	1.16	0.81	0.40	0.64	0.56	0.74	0.51	
30	0.12	0.34	0.69	1.02	1.16	1.46	0.78	0.40	0.66	0.56		0.50	
31		0.32		0.88	1.39		0.82		0.66	0.54		0.51	
MEAN	0.15	0.32	0.82	0.77	1.32	1.04	1.25	0.56	0.69	0.60	0.60	0.53	
MAX	0.24	0.45	1.57	1.26	3.00	1.46	2.29	0.84	0.80	0.66	1.17	0.68	3.00
MIN	0.12	0.08	0.54	0.55	0.81	0.77	0.77	0.40	0.39	0.54	0.48	0.48	0.08

ANNUAL MAX MOMENTARY GAGE HEIGHT 4.14 M (A.D), AT 10.00 HOURS, ON AUG 22, 1983
ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D), RIVER BED -0.28 M (A.D)
LEFT BANK ELEVATION 5.32 M (A.D)
RIGHT BANK ELEVATION 7.96 M (A.D), DRAINAGE AREA 235 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.04	0.00	2.69	1.20	2.56	10.50	8.50	2.56	0.19	1.30	0.65	1.40	
2	0.03	0.00	3.08	1.15	2.43	8.32	8.50	1.98	1.35	1.30	0.60	1.25	
3	0.00	0.00	1.30	1.15	2.56	8.50	7.60	1.74	2.30	1.25	0.65	1.15	
4	0.00	0.00	1.05	1.20	3.21	7.06	13.70	1.58	2.14	1.15	0.65	0.85	
5	0.00	0.00	0.85	1.05	6.53	6.70	24.76	1.35	2.06	1.10	0.60	0.80	
6	0.00	0.13	0.75	1.00	5.51	7.60	9.30	1.30	1.98	1.10	0.50	0.75	
7	0.00	0.10	0.70	0.90	4.02	6.70	6.88	1.15	1.98	1.10	0.47	0.70	
8	0.00	0.09	15.20	0.90	8.90	6.19	6.02	1.00	1.98	1.10	0.44	0.65	
9	0.00	0.14	5.17	0.95	5.68	7.96	5.51	1.00	1.98	1.05	0.44	0.65	
10	0.00	0.17	2.69	0.85	4.44	5.68	5.51	0.90	1.90	1.05	0.47	0.70	
11	0.00	0.23	17.02	1.10	4.72	5.34	38.00	0.85	1.82	1.05	0.55	0.70	
12	0.00	0.32	7.06	0.75	9.10	4.30	14.45	2.82	1.82	1.05	0.55	0.60	
13	0.00	0.35	3.34	1.45	7.96	4.72	25.84	1.25	1.74	1.05	0.47	0.55	
14	0.00	0.35	2.95	1.20	12.04	5.00	23.04	1.15	1.66	1.10	0.95	0.50	
15	0.00	0.32	2.43	1.15	9.10	10.30	9.50	1.05	1.66	1.05	1.05	0.50	
16	0.00	0.20	3.47	1.30	7.96	7.60	20.36	0.85	1.66	1.00	1.66	0.50	
17	0.00	0.18	1.82	1.45	17.80	4.72	8.70	0.75	1.50	0.95	1.30	0.47	
18	0.00	0.17	1.45	4.72	10.30	3.88	44.25	0.60	1.40	0.90	1.10	0.50	
19	0.00	0.16	1.30	7.42	14.45	3.60	31.04	0.47	1.35	0.90	1.05	0.47	
20	0.00	0.15	1.50	9.70	8.32	2.82	10.72	0.44	1.30	0.90	1.00	0.50	
21	0.00	0.15	1.30	5.00	12.04	2.30	5.34	0.38	1.35	0.90	1.30	0.50	
22	0.00	0.15	5.68	3.60	79.80	2.43	4.86	0.32	1.40	0.90	1.10	0.44	
23	0.00	0.15	3.74	2.56	26.92	2.30	4.30	0.29	1.40	0.85	0.95	0.47	
24	0.00	0.14	3.88	2.30	15.72	2.06	3.34	0.26	1.40	0.80	0.85	1.10	
25	0.00	0.13	2.30	4.02	47.52	3.74	2.56	0.26	1.30	0.80	1.00	0.70	
26	0.00	0.12	1.74	3.47	27.64	4.44	2.06	0.26	1.25	0.80	0.95	0.60	
27	0.00	0.12	1.50	2.22	15.72	5.34	2.69	0.26	1.20	0.80	7.96	0.55	
28	0.00	0.10	1.66	1.90	12.48	7.24	2.43	0.23	1.20	0.80	3.08	0.60	
29	0.00	0.12	1.45	5.51	9.50	7.78	2.43	0.20	1.20	0.80	1.82	0.55	
30	0.00	0.14	1.45	5.34	7.78	14.20	2.14	0.20	1.30	0.80		0.50	
31		0.12		3.34	12.48		2.56		1.30	0.70		0.55	
TOTAL	0.07	4.50	100.52	79.85	415.19	179.32	356.89	27.45	48.07	30.40	34.16	20.75	1297.17 CMSDAY
MEAN	0.00	0.15	3.35	2.58	13.39	5.98	11.51	0.92	1.55	0.98	1.18	0.67	3.54 CMS
MAX	0.04	0.35	17.02	9.70	79.80	14.20	44.25	2.82	2.30	1.30	7.96	1.40	79.80 CMS
MIN	0.00	0.00	0.70	0.75	2.43	2.06	2.06	0.20	0.19	0.70	0.44	0.44	0.00 CMS
RUNOFF	0.006	0.389	8.685	6.899	35.872	15.493	30.835	2.372	4.153	2.627	2.951	1.793	112.075 MCM

MOMENTARY PEAK 183.60 CMS, AT 4.14 M (A.D), AT 10.00 HOURS, ON AUG 22, 1983
RUNOFF YIELD 15.08 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 781.28 LITERS/SECOND/SQUARE KM

WATER YEAR 1983

MUN RIVER BASIN

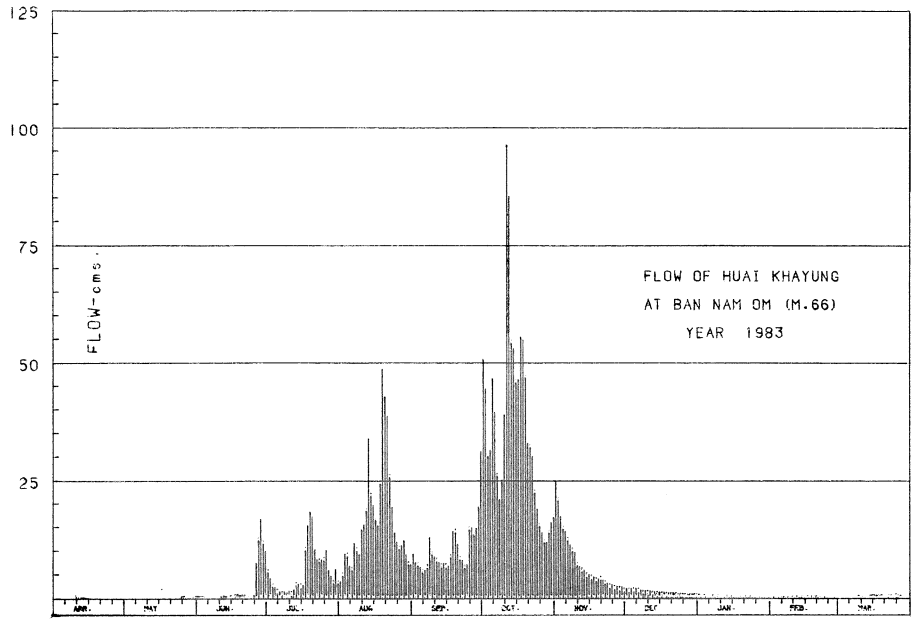
HUAI KHAYUNG AT BAN NAM OM, SI SA KET (M.66)

LOCATION	LAT. 14°-38'-23" N., LONG. 104°-39'-45" E., ON RIGHT BANK ABOUT 50 METERS UPSTREAM FROM THE BRIDGE OF KANTHARALAK-DET UDOM ROAD, BAN NAM OM, AMPHOE KANTHARALAK, SI SA KET.
DRAINAGE AREA	586 SQ.KM.
TYPE OF GAGE	WATER-STAGE RECORDER.
ZERO GAGE AT BOTTOM	+0.00 M. (A.D.)
BENCH MARK	B.M.-H.D.
LOCATION	AT THE AUTOMATIC GAGE BUILDING.
ELEVATION	+6.581 M. (A.D.)
GAGE READING FREQUENCY	RECORDING.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 24 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1965 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1965-1968, 1972 - 1981.
RATED BY FLOAT	-
RATED BY CURRENT METER	1965-1968, 1972 - 1981.
STABILITY OF CHANNEL REGIMES	STABLE.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS FAIR. STAGE-DISCHARGE RELATION DEFINED BY 160 DISCHARGE MEASUREMENTS MADE DURING 1977 - 1981.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.04	0.03	0.19	0.88	0.66	1.14	3.11	2.00	0.49	0.28	0.15	0.19	
2	0.04	0.03	0.15	0.73	0.83	0.98	2.84	1.82	0.49	0.27	0.15	0.19	
3	0.09	0.04	0.14	0.62	1.10	0.98	2.29	1.62	0.49	0.26	0.15	0.17	
4	0.05	0.05	0.13	0.52	1.11	0.91	2.32	1.49	0.50	0.25	0.15	0.17	
5	0.05	0.04	0.09	0.47	0.93	0.88	2.95	1.42	0.49	0.26	0.17	0.20	
6	0.05	0.03	0.08	0.40	0.91	0.87	2.64	1.33	0.49	0.25	0.17	0.19	
7	0.04	0.05	0.05	0.40	1.25	0.95	2.08	1.23	0.44	0.25	0.17	0.21	
8	0.03	0.06	0.07	0.39	1.19	1.33	1.80	1.18	0.43	0.23	0.17	0.20	
9	0.12	0.05	0.05	0.34	1.09	1.13	2.01	1.12	0.43	0.23	0.17	0.21	
10	0.25	0.06	0.08	0.42	1.48	1.06	2.62	0.98	0.42	0.23	0.18	0.20	
11	0.19	0.05	0.23	0.40	1.51	1.04	4.60	0.92	0.42	0.23	0.18	0.20	
12	0.14	0.05	0.22	0.45	1.71	0.98	4.25	0.90	0.40	0.23	0.21	0.19	
13	0.15	0.05	0.18	0.64	2.42	0.96	3.23	0.87	0.40	0.23	0.20	0.20	
14	0.12	0.04	0.17	0.61	1.87	0.97	3.17	0.83	0.39	0.22	0.20	0.23	
15	0.12	0.04	0.23	0.61	1.74	0.96	2.92	0.81	0.38	0.21	0.21	0.25	
16	0.07	0.02	0.21	0.58	1.61	0.93	2.92	0.80	0.38	0.21	0.19	0.26	
17	0.09	0.03	0.26	1.19	1.50	1.09	3.27	0.76	0.38	0.21	0.19	0.23	
18	0.05	0.03	0.29	1.50	2.00	1.42	3.23	0.74	0.36	0.21	0.19	0.24	
19	0.08	0.02	0.25	1.70	3.01	1.45	2.96	0.72	0.35	0.21	0.21	0.25	
20	0.07	0.02	0.27	1.62	2.80	1.24	2.38	0.77	0.35	0.21	0.20	0.23	
21	0.08	0.03	0.25	1.20	2.61	1.06	2.37	0.69	0.35	0.21	0.19	0.28	
22	0.07	0.05	0.21	1.02	2.07	1.01	2.26	0.68	0.35	0.21	0.20	0.25	
23	0.07	0.04	0.21	1.03	1.72	0.94	1.90	0.63	0.32	0.21	0.18	0.25	
24	0.06	0.05	0.18	1.02	1.44	0.95	1.70	0.61	0.32	0.21	0.19	0.24	
25	0.07	0.19	0.36	1.05	1.27	1.48	1.53	0.60	0.32	0.21	0.16	0.29	
26	0.09	0.19	0.97	1.15	1.21	1.47	1.40	0.57	0.31	0.19	0.19	0.25	
27	0.07	0.15	1.32	0.91	1.22	1.40	1.30	0.55	0.30	0.17	0.18	0.23	
28	0.06	0.13	1.59	0.78	1.33	1.46	1.26	0.54	0.29	0.16	0.16	0.23	
29	0.04	0.13	1.29	0.69	1.09	1.75	1.43	0.54	0.30	0.15	0.19	0.25	
30	0.03	0.20	1.14	0.88	0.99	2.31	1.54	0.50	0.30	0.15		0.25	
31		0.21		0.68	0.95		1.64		0.30	0.15		0.29	
MEAN	0.08	0.07	0.36	0.80	1.50	1.17	2.45	0.94	0.39	0.22	0.18	0.23	
MAX	0.25	0.21	1.59	1.70	3.01	2.31	4.60	2.00	0.50	0.28	0.21	0.29	4.60
MIN	0.03	0.02	0.05	0.34	0.66	0.87	1.26	0.50	0.29	0.15	0.15	0.17	0.02

ANNUAL MAX MOMENTARY GAGE HEIGHT 4.96 M (A.D), AT 21.00 HOURS, ON OCT 11, 1983
ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D), RIVER BED 0.24 M (A.D)
LEFT BANK ELEVATION 9.63 M (A.D)
RIGHT BANK ELEVATION 9.45 M (A.D), DRAINAGE AREA 586 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.00	0.00	0.45	6.20	3.60	10.10	51.30	25.00	2.18	0.90	0.25	0.45	
2	0.00	0.00	0.25	4.30	5.45	7.70	44.50	21.40	2.18	0.85	0.25	0.45	
3	0.00	0.00	0.20	3.20	9.50	7.70	30.80	17.40	2.18	0.80	0.25	0.35	
4	0.00	0.00	0.15	2.40	9.65	6.65	31.50	15.35	2.25	0.75	0.25	0.35	
5	0.00	0.00	0.00	2.02	6.95	6.20	47.25	14.30	2.18	0.80	0.35	0.50	
6	0.00	0.00	0.00	1.50	6.65	6.05	39.50	12.95	2.18	0.75	0.35	0.45	
7	0.00	0.00	0.00	1.50	11.75	7.25	26.60	11.45	1.80	0.75	0.35	0.55	
8	0.00	0.00	0.00	1.45	10.85	12.95	21.00	10.70	1.73	0.65	0.35	0.50	
9	0.10	0.00	0.00	1.20	9.35	9.95	25.20	9.80	1.73	0.65	0.35	0.55	
10	0.75	0.00	0.00	1.65	15.20	8.90	39.00	7.70	1.65	0.65	0.40	0.50	
11	0.45	0.00	0.65	1.50	15.65	8.60	97.00	6.80	1.65	0.65	0.40	0.50	
12	0.20	0.00	0.60	1.87	19.20	7.70	85.50	6.50	1.50	0.65	0.55	0.45	
13	0.25	0.00	0.40	3.40	34.00	7.40	54.90	6.05	1.50	0.65	0.50	0.50	
14	0.10	0.00	0.35	3.10	22.40	7.55	53.10	5.45	1.45	0.60	0.50	0.65	
15	0.10	0.00	0.65	3.10	19.80	7.40	46.50	5.15	1.40	0.55	0.55	0.75	
16	0.00	0.00	0.55	2.85	17.20	6.95	46.50	5.00	1.40	0.55	0.45	0.80	
17	0.00	0.00	0.80	10.85	15.50	9.35	56.10	4.60	1.40	0.55	0.45	0.65	
18	0.00	0.00	0.95	15.50	25.00	14.30	54.90	4.40	1.30	0.55	0.45	0.70	
19	0.00	0.00	0.75	19.00	48.75	14.75	47.50	4.20	1.25	0.55	0.55	0.75	
20	0.00	0.00	0.85	17.40	43.50	11.60	33.00	4.70	1.25	0.55	0.50	0.65	
21	0.00	0.00	0.75	11.00	38.75	8.90	32.75	3.90	1.25	0.55	0.45	0.90	
22	0.00	0.00	0.55	8.30	26.40	8.15	30.20	3.80	1.25	0.55	0.50	0.75	
23	0.00	0.00	0.55	8.45	19.40	7.10	23.00	3.30	1.10	0.55	0.40	0.75	
24	0.00	0.00	0.40	8.30	14.60	7.25	19.00	3.10	1.10	0.55	0.45	0.70	
25	0.00	0.45	1.30	8.75	12.05	15.20	15.95	3.00	1.10	0.55	0.30	0.95	
26	0.00	0.45	7.55	10.25	11.15	15.05	14.00	2.78	1.05	0.45	0.45	0.75	
27	0.00	0.25	12.80	6.65	11.30	14.00	12.50	2.63	1.00	0.35	0.40	0.65	
28	0.00	0.15	16.85	4.80	12.95	14.90	11.90	2.55	0.95	0.30	0.30	0.65	
29	0.00	0.15	12.35	3.90	9.35	20.00	14.45	2.55	1.00	0.25	0.45	0.75	
30	0.00	0.50	10.10	6.20	7.85	31.25	16.10	2.25	1.00	0.25		0.75	
31		0.55		3.80	7.25		17.80		1.00	0.25		0.95	
TOTAL	1.95	2.50	70.80	184.39	521.00	320.85	1139.30	228.76	45.96	18.00	11.75	19.60	2564.86 CMSDAY
MEAN	0.07	0.08	2.36	5.95	16.81	10.70	36.75	7.63	1.48	0.58	0.41	0.63	7.01 CMS
MAX	0.75	0.55	16.85	19.00	48.75	31.25	97.00	25.00	2.25	0.90	0.55	0.95	97.00 CMS
MIN	0.00	0.00	0.00	1.20	3.60	6.05	11.90	2.25	0.95	0.25	0.25	0.35	0.00 CMS
RUNOFF	0.168	0.216	6.117	15.931	45.014	27.721	98.436	19.765	3.971	1.555	1.015	1.693	221.604 MCM

MOMENTARY PEAK 109.60 CMS, AT 4.96 M (A.D), AT 21.00 HOURS, ON OCT 11, 1983

RUNOFF YIELD 11.96 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 187.03 LITERS/SECOND/SQUARE KM

WATER YEAR 1983

MUN RIVER BASIN

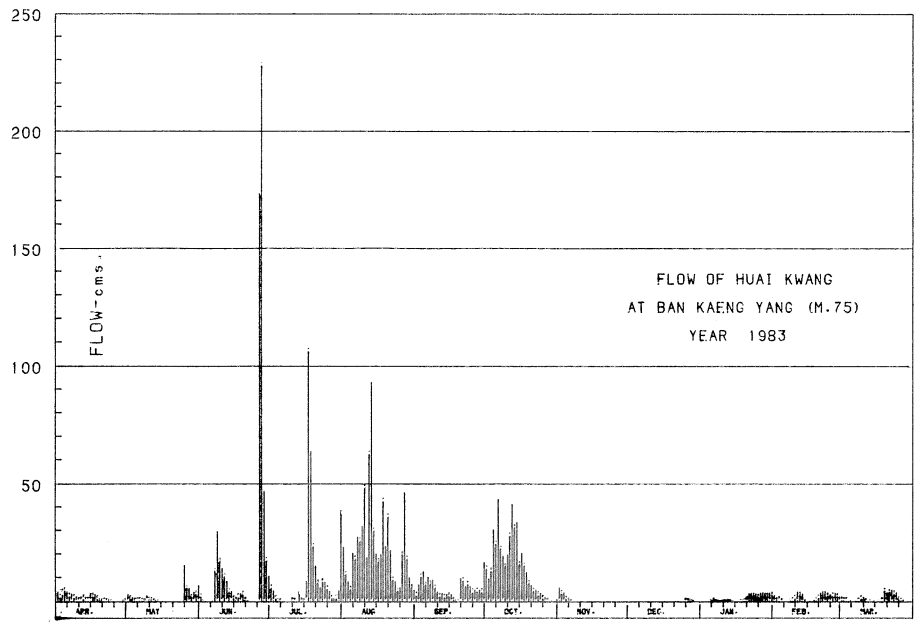
HUAI KWANG AT BAN KAENG YANG, UBON RATCHATHANI (M.75)

LOCATION	LAT. 15°-09'-53" N., LONG. 105°-17'-01" E., ON LEFT BANK AT THE BRIDGE OF PHIBUN MANGSAHAN-CHONG MEK HIGHWAY NEAR WAT PA THEPBUROM, AMPHOE PHIBUN MANGSAHAN, UBON RATCHATHANI.
DRAINAGE AREA	388 SQ.KM.
TYPE OF GAGE	WATER-STAGE RECORDER.
ZERO GAGE AT BOTTOM	+0.00 M.(A.D.)
BENCH MARK	B.M.-H.D.
LOCATION	ABOUT 9 METERS FROM THE BANK AT WAT PA THEPBUROM.
ELEVATION	+6.775 M.(A.D.)
GAGE READING FREQUENCY	RECORDING.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 24 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1965 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1965 - 1979, 1981 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1965 - 1979, 1981 TO DATE.
STABILITY OF CHANNEL REGIMES	FAIRLY STABLE.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS FAIR. FLOW EFFECTED BY THE LOCAL RESIDENT WEIR. STAGE-DISCHARGE RELATION DEFINED BY 14 DISCHARGE MEASUREMENTS MADE IN 1983.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	1.55	1.48	1.49	1.69	2.25	1.54	1.99	1.64	0.76	0.94	1.45	1.41	
2	1.48	1.44	1.24	1.58	1.91	1.69	1.79	1.59	0.75	0.90	1.36	1.38	
3	1.46	1.37	1.04	1.44	1.74	1.87	1.96	1.53	0.73	1.04	1.42	1.38	
4	1.64	1.34	0.94	1.31	1.66	1.91	2.46	1.42	0.73	1.07	1.31	1.30	
5	1.56	1.37	1.01	1.28	2.17	1.73	2.32	1.33	0.74	1.30	1.18	1.17	
6	1.52	1.38	1.12	1.12	2.13	1.82	2.83	1.21	0.75	1.33	1.22	1.16	
7	1.50	1.32	1.95	1.07	2.37	1.75	2.26	1.15	0.75	1.23	1.22	1.35	
8	1.47	1.29	2.44	1.02	2.36	1.77	2.13	1.03	0.75	1.20	1.32	1.34	
9	1.41	1.44	2.10	1.00	2.50	1.68	2.02	0.98	0.75	1.17	1.36	1.44	
10	1.37	1.39	1.96	1.35	3.00	1.55	2.15	1.01	0.76	1.22	1.45	1.39	
11	1.41	1.37	1.87	1.32	2.11	1.51	2.42	0.99	0.76	1.22	1.55	1.31	
12	1.46	1.29	1.75	1.19	3.36	1.51	2.77	0.90	0.77	1.26	1.54	1.23	
13	1.39	1.27	1.62	1.55	4.09	1.48	2.52	0.87	0.84	1.19	1.49	1.23	
14	1.38	1.22	1.57	1.34	2.48	1.48	2.55	0.85	0.98	1.07	1.23	1.24	
15	1.51	1.13	1.44	1.29	2.16	1.52	2.05	0.84	1.00	1.13	1.05	1.16	
16	1.51	1.10	1.39	1.75	2.09	1.47	2.17	0.83	1.04	1.21	1.13	1.13	
17	1.48	1.13	1.50	4.41	2.15	1.36	2.03	0.83	1.04	1.25	1.21	1.28	
18	1.44	1.00	1.50	3.36	2.84	1.28	1.90	0.82	1.04	1.19	1.35	1.36	
19	1.31	0.95	1.57	2.29	2.26	1.23	1.76	0.82	1.00	1.27	1.39	1.63	
20	1.28	0.89	1.39	1.99	2.65	1.80	1.68	0.79	1.02	1.40	1.46	1.53	
21	1.34	0.82	1.10	1.77	2.21	1.81	1.63	0.77	1.05	1.50	1.52	1.61	
22	1.30	0.84	0.98	1.64	1.82	1.66	1.60	0.76	1.07	1.52	1.55	1.60	
23	1.31	0.81	0.90	1.79	1.74	1.75	1.55	0.77	1.04	1.51	1.56	1.58	
24	1.23	0.77	0.93	1.73	1.63	1.66	1.51	0.79	1.06	1.50	1.52	1.53	
25	1.09	2.00	0.99	1.67	1.64	1.62	1.45	0.81	1.29	1.48	1.47	1.41	
26	0.95	1.67	5.85	1.56	2.19	1.60	1.35	0.96	1.27	1.52	1.52	1.32	
27	0.89	1.63	6.96	1.45	2.91	1.63	1.32	0.84	1.24	1.52	1.52	1.17	
28	1.03	1.48	2.93	1.30	2.13	1.60	1.21	0.92	1.13	1.52	1.50	1.15	
29	1.21	1.54	2.11	1.45	1.81	1.62	1.14	0.81	1.05	1.51	1.41	1.09	
30	1.32	1.57	1.84	1.58	1.69	2.04	1.13	0.77	1.07	1.52		1.11	
31		1.68		2.69	1.60		1.40		1.02	1.54		1.20	
MEAN	1.36	1.29	1.85	1.68	2.25	1.63	1.90	0.99	0.94	1.30	1.39	1.33	
MAX	1.64	2.00	6.96	4.41	4.09	2.04	2.83	1.64	1.29	1.54	1.56	1.63	6.96
MIN	0.89	0.77	0.90	1.00	1.60	1.23	1.13	0.76	0.73	0.90	1.05	1.09	0.73

ANNUAL MAX MOMENTARY GAGE HEIGHT 8.04 M (A.D), AT 21.00 HOURS, ON JUN 26, 1983
ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D), RIVER BED -0.08 M (A.D)
LEFT BANK ELEVATION 9.39 M (A.D)
RIGHT BANK ELEVATION 9.47 M (A.D), DRAINAGE AREA 388 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	4.25	3.20	3.35	7.25	23.25	4.10	15.20	6.00	0.00	0.00	2.75	2.15	
2	3.20	2.60	1.00	4.70	12.80	7.25	9.75	4.85	0.00	0.00	1.72	1.86	
3	2.90	1.79	0.16	2.60	8.50	11.75	14.30	3.95	0.00	0.16	2.30	1.86	
4	6.00	1.58	0.00	1.37	6.50	12.80	30.60	2.30	0.00	0.28	1.37	1.30	
5	4.40	1.79	0.04	1.20	20.60	8.25	25.70	1.51	0.00	1.30	0.72	0.68	
6	3.80	1.86	0.48	0.48	19.40	10.50	43.55	0.85	0.00	1.51	0.90	0.64	
7	3.50	1.44	14.00	0.28	27.45	8.75	23.60	0.60	0.00	0.95	0.90	1.65	
8	3.05	1.25	29.90	0.08	27.10	9.25	19.40	0.12	0.00	0.80	1.44	1.58	
9	2.15	2.60	18.50	0.00	32.00	7.00	16.10	0.00	0.00	0.68	1.72	2.60	
10	1.79	1.93	14.30	1.65	49.50	4.25	20.00	0.04	0.00	0.90	2.75	1.93	
11	2.15	1.79	11.75	1.44	18.80	3.65	29.20	0.00	0.00	0.90	4.25	1.37	
12	2.90	1.25	8.75	0.76	63.90	3.65	41.45	0.00	0.00	1.10	4.10	0.95	
13	1.93	1.15	5.50	4.25	93.10	3.20	32.70	0.00	0.00	0.76	3.35	0.95	
14	1.86	0.90	4.55	1.58	31.30	3.20	33.75	0.00	0.00	0.28	0.95	1.00	
15	3.65	0.52	2.60	1.25	20.30	3.80	17.00	0.00	0.00	0.52	0.20	0.64	
16	3.65	0.40	1.93	8.75	18.20	3.05	20.60	0.00	0.16	0.85	0.52	0.52	
17	3.20	0.52	3.50	107.45	20.00	1.72	16.40	0.00	0.16	1.05	0.85	1.20	
18	2.60	0.00	3.50	63.90	43.90	1.20	12.50	0.00	0.16	0.76	1.65	1.72	
19	1.37	0.00	4.55	24.65	23.60	0.95	9.00	0.00	0.00	1.15	1.93	5.75	
20	1.20	0.00	1.93	15.20	37.25	10.00	7.00	0.00	0.08	2.00	2.90	3.95	
21	1.58	0.00	0.40	9.25	21.85	10.25	5.75	0.00	0.20	3.50	3.80	5.25	
22	1.30	0.00	0.00	6.00	10.50	6.50	5.00	0.00	0.28	3.80	4.25	5.00	
23	1.37	0.00	0.00	9.75	8.50	8.75	4.25	0.00	0.16	3.65	4.40	4.70	
24	0.95	0.00	0.00	8.25	5.75	6.50	3.65	0.00	0.24	3.50	3.80	3.95	
25	0.36	15.50	0.00	6.75	6.00	5.50	2.75	0.00	1.25	3.20	3.05	2.15	
26	0.00	6.75	173.50	4.40	21.20	5.00	1.65	0.00	1.15	3.80	3.80	1.44	
27	0.00	5.75	229.00	2.75	46.35	5.75	1.44	0.00	1.00	3.80	3.80	0.68	
28	0.12	3.20	47.05	1.30	19.40	5.00	0.85	0.00	0.52	3.80	3.50	0.60	
29	0.85	4.10	18.80	2.75	10.25	5.50	0.56	0.00	0.20	3.65	2.15	0.36	
30	1.44	4.55	11.00	4.70	7.25	16.70	0.52	0.00	0.28	3.80		0.44	
31		7.00		38.65	5.00		2.00		0.08	4.10		0.80	
TOTAL	67.52	73.42	610.04	343.39	759.50	193.77	466.22	20.22	5.92	56.55	69.82	59.67	2726.04 CMSDAY
MEAN	2.25	2.37	20.33	11.08	24.50	6.46	15.04	0.67	0.19	1.82	2.41	1.92	7.45 CMS
MAX	6.00	15.50	229.00	107.45	93.10	16.70	43.55	6.00	1.25	4.10	4.40	5.75	229.00 CMS
MIN	0.00	0.00	0.00	0.00	5.00	0.95	0.52	0.00	0.00	0.00	0.20	0.36	0.00 CMS
RUNOFF	5.834	6.343	52.707	29.669	65.621	16.742	40.281	1.747	0.511	4.886	6.032	5.155	235.530 MCM

MOMENTARY PEAK 286.70 CMS, AT 8.04 M (A.D), AT 21.00 HOURS, ON JUN 26, 1983

RUNOFF YIELD 19.20 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 738.92 LITERS/SECOND/SQUARE KM

WATER YEAR 1983

MUN RIVER BASIN

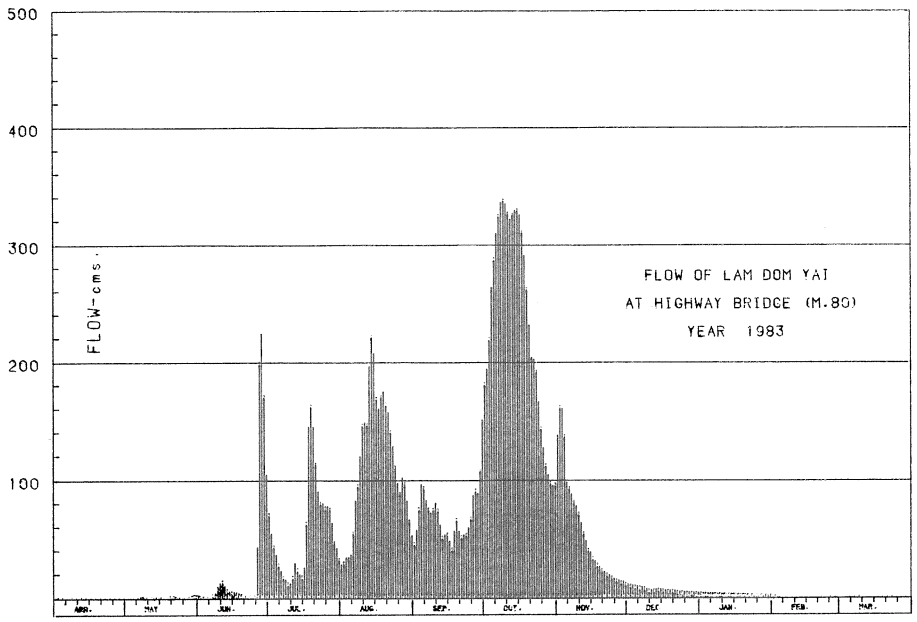
LAM DOM YAI AT DET UDOM, UBON RATCHATHANI (M.80)

LOCATION	LAT. 14°-53'-53" N., LONG. 105°-05'-08" E., ON LEFT BANK ABOUT 20 METERS DOWNSTREAM FROM THE BRIDGE ON ROAD, AMPHOE DET UDOM, UBON RATCHATHANI.
DRAINAGE AREA	3,363 SQ.KM.
TYPE OF GAGE	WATER-STAGE RECORDER.
ZERO GAGE AT BOTTOM	+0.00 M.(A.D.)
BENCH MARK	B.M.-H.D.
LOCATION	NEAR THE AUTOMATIC GAGE BUILDING.
ELEVATION	+11.826 M.(A.D.)
GAGE READING FREQUENCY	RECORDING
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 24 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1965 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1965 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1965 TO DATE.
STABILITY OF CHANNEL REGIMES	STABLE.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS GOOD. STAGE-DISCHARGE RELATION DEFINED BY 35 DISCHARGE MEASUREMENTS MADE IN 1983.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.64	0.56	0.79	3.00	1.91	2.38	5.44	4.50	1.39	1.01	0.80	0.64	
2	0.63	0.56	0.74	2.57	1.97	2.64	5.67	5.04	1.37	1.01	0.80	0.63	
3	0.63	0.56	0.72	2.32	2.06	3.11	6.20	5.00	1.35	0.99	0.79	0.63	
4	0.63	0.56	0.72	2.12	2.06	3.57	7.06	4.50	1.34	0.98	0.78	0.63	
5	0.63	0.56	0.70	1.93	2.12	3.53	7.53	3.61	1.33	0.98	0.78	0.63	
6	0.63	0.58	0.71	1.77	2.60	3.27	7.91	3.52	1.31	0.98	0.78	0.63	
7	0.63	0.68	0.94	1.64	3.26	3.11	8.20	3.39	1.30	0.98	0.78	0.63	
8	0.63	0.69	1.02	1.54	3.57	3.00	8.39	3.26	1.27	0.96	0.76	0.64	
9	0.62	0.67	1.30	1.45	4.10	3.10	8.44	3.15	1.22	0.95	0.76	0.64	
10	0.62	0.67	1.43	1.42	4.71	3.21	8.37	3.01	1.18	0.94	0.76	0.64	
11	0.62	0.68	1.51	1.64	4.74	3.09	8.24	2.80	1.17	0.94	0.76	0.64	
12	0.62	0.68	1.33	1.94	4.72	2.75	8.13	2.60	1.18	0.93	0.76	0.63	
13	0.62	0.69	1.20	1.83	5.72	2.51	8.22	2.42	1.20	0.92	0.75	0.63	
14	0.62	0.68	1.11	1.69	6.24	2.54	8.27	2.25	1.21	0.92	0.73	0.62	
15	0.57	0.69	1.11	1.65	5.94	2.58	8.29	2.18	1.20	0.91	0.71	0.61	
16	0.57	0.68	1.08	1.85	5.19	2.41	8.20	2.07	1.18	0.91	0.71	0.60	
17	0.57	0.67	1.04	2.81	5.00	2.26	7.95	1.99	1.16	0.90	0.71	0.60	
18	0.57	0.67	1.00	4.66	5.22	2.62	7.57	1.93	1.15	0.90	0.71	0.60	
19	0.57	0.70	0.93	5.07	5.29	2.88	7.06	1.87	1.15	0.89	0.70	0.61	
20	0.57	0.83	0.86	4.66	5.10	2.62	6.42	1.81	1.15	0.89	0.70	0.62	
21	0.57	0.78	0.82	3.98	4.93	2.52	5.91	1.76	1.14	0.87	0.69	0.62	
22	0.57	0.68	0.80	3.44	4.59	2.54	5.84	1.71	1.11	0.86	0.69	0.64	
23	0.57	0.65	0.79	3.24	4.29	2.57	5.65	1.67	1.10	0.86	0.68	0.62	
24	0.57	0.65	0.77	3.21	3.92	2.69	5.12	1.63	1.09	0.86	0.68	0.60	
25	0.57	0.62	0.83	3.14	3.59	2.91	4.65	1.57	1.07	0.86	0.67	0.60	
26	0.57	0.63	2.28	3.15	3.42	3.36	4.26	1.54	1.06	0.85	0.66	0.60	
27	0.57	0.65	5.80	3.11	3.70	3.48	3.96	1.52	1.05	0.85	0.66	0.60	
28	0.57	0.74	6.28	2.80	3.61	3.40	3.75	1.49	1.05	0.85	0.66	0.60	
29	0.57	0.79	5.23	2.40	3.26	3.85	3.62	1.48	1.04	0.83	0.65	0.59	
30	0.57	0.86	3.76	2.26	2.86	4.79	3.55	1.43	1.03	0.83		0.58	
31		0.86		2.05	2.53		3.59		1.02	0.82		0.60	
MEAN	0.60	0.68	1.59	2.59	3.94	2.98	6.50	2.56	1.18	0.91	0.73	0.62	
MAX	0.64	0.86	6.28	5.07	6.24	4.79	8.44	5.04	1.39	1.01	0.80	0.64	8.44
MIN	0.57	0.56	0.70	1.42	1.91	2.26	3.55	1.43	1.02	0.82	0.65	0.58	0.56

ANNUAL MAX MOMENTARY GAGE HEIGHT 8.44 M (A.D), AT 24.00 HOURS, ON OCT 9, 1983
ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D), RIVER BED 117.40 M (A.D)
LEFT BANK ELEVATION 130.71 M (A.D)
RIGHT BANK ELEVATION 129.92 M (A.D), DRAINAGE AREA 3363 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	1.12	0.48	2.41	72.50	28.90	47.70	183.00	138.50	12.25	4.65	2.50	1.12	
2	1.04	0.48	1.96	55.30	31.30	58.10	194.50	163.00	11.75	4.65	2.50	1.04	
3	1.04	0.48	1.78	45.30	34.90	76.90	221.00	161.00	11.25	4.40	2.41	1.04	
4	1.04	0.48	1.78	37.30	34.90	96.65	264.00	138.50	11.00	4.30	2.32	1.04	
5	1.04	0.48	1.60	29.70	37.30	94.85	289.15	98.45	10.75	4.30	2.32	1.04	
6	1.04	0.64	1.69	23.45	56.50	83.30	310.05	94.40	10.25	4.30	2.32	1.04	
7	1.04	1.44	3.90	19.20	82.90	76.90	326.00	88.55	10.00	4.30	2.32	1.04	
8	1.04	1.52	4.80	16.20	96.65	72.50	336.45	82.90	9.40	4.10	2.14	1.12	
9	0.96	1.36	10.00	13.75	120.50	76.50	339.20	78.50	8.40	4.00	2.14	1.12	
10	0.96	1.36	13.25	13.00	147.95	80.90	335.35	72.90	7.60	3.90	2.14	1.12	
11	0.96	1.44	15.30	19.20	149.30	76.10	328.20	64.50	7.40	3.90	2.14	1.12	
12	0.96	1.44	10.75	30.10	148.40	62.50	322.15	56.50	7.60	3.80	2.14	1.04	
13	0.96	1.52	8.00	25.70	197.00	52.90	327.10	49.30	8.00	3.70	2.05	1.04	
14	0.96	1.44	6.20	20.70	223.00	54.10	329.85	42.50	8.20	3.70	1.87	0.96	
15	0.56	1.52	6.20	19.50	208.00	55.70	330.95	39.70	8.00	3.60	1.69	0.88	
16	0.56	1.44	5.70	26.50	170.50	48.90	326.00	35.30	7.60	3.60	1.69	0.80	
17	0.56	1.36	5.10	64.90	161.00	42.90	312.25	32.10	7.20	3.50	1.69	0.80	
18	0.56	1.36	4.50	145.70	172.00	57.30	291.35	29.70	7.00	3.50	1.69	0.80	
19	0.56	1.60	3.80	164.50	175.50	67.70	264.00	27.30	7.00	3.40	1.60	0.88	
20	0.56	2.80	3.10	145.70	166.00	57.30	232.00	24.90	7.00	3.40	1.60	0.96	
21	0.56	2.32	2.70	115.10	157.85	53.30	206.50	23.10	6.80	3.20	1.52	0.96	
22	0.56	1.44	2.50	90.80	142.55	54.10	203.00	21.35	6.20	3.10	1.52	1.12	
23	0.56	1.20	2.41	82.10	129.05	55.30	193.50	20.10	6.00	3.10	1.44	0.96	
24	0.56	1.20	2.23	80.90	112.40	60.10	167.00	18.90	5.85	3.10	1.44	0.80	
25	0.56	0.96	2.80	78.10	97.55	68.90	145.25	17.10	5.55	3.10	1.36	0.80	
26	0.56	1.04	43.70	78.50	89.90	87.20	127.70	16.20	5.40	3.00	1.28	0.80	
27	0.56	1.20	201.00	76.90	102.50	92.60	114.20	15.60	5.25	3.00	1.28	0.80	
28	0.56	1.96	225.00	64.50	98.45	89.00	104.75	14.75	5.25	3.00	1.28	0.80	
29	0.56	2.41	172.50	48.50	82.90	109.25	98.90	14.50	5.10	2.80	1.20	0.72	
30	0.56	3.10	105.20	42.90	66.90	151.55	95.75	13.25	4.95	2.80		0.64	
31		3.10		34.50	53.70		97.55		4.80	2.70		0.80	
TOTAL	23.12	44.57	871.86	1781.00	3576.25	2161.00	7416.65	1693.35	238.80	111.90	53.59	29.20	18001.29 CMSDAY
MEAN	0.77	1.44	29.06	57.45	115.36	72.03	239.25	56.44	7.70	3.61	1.85	0.94	49.18 CMS
MAX	1.12	3.10	225.00	164.50	223.00	151.55	339.20	163.00	12.25	4.65	2.50	1.12	339.20 CMS
MIN	0.56	0.48	1.60	13.00	28.90	42.90	95.75	13.25	4.80	2.70	1.20	0.64	0.48 CMS
RUNOFF	1.998	3.851	75.329	153.878	308.988	186.710	640.799	146.305	20.632	9.668	4.630	2.523	1555.312 MCM

MOMENTARY PEAK 339.20 CMS, AT 8.44 M (A.D), AT 24.00 HOURS, ON OCT 9, 1983
RUNOFF YIELD 14.62 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 100.86 LITERS/SECOND/SQUARE KM

WATER YEAR 1983

MUN RIVER BASIN

LAM SAE AT BAN MAP KRAT, NAKHON RATCHASIMA (M.81.)

LOCATION — LAT. 14°-23'-51" N., LONG. 102°-15'-20" E., ON RIGHT BANK ABOUT 3 KILOMETERS UPSTREAM FROM DAM SITE AT BAN MAP KRAT, TAMBON KHOK KRACHAI, AMPHOE KHON BURI, NAKHON RATCHASIMA.

DRAINAGE AREA — 482 SQ.KM.

TYPE OF GAGE — STAFF GAGE.

ZERO GAGE AT BOTTOM — +208.00 M.(M.S.L.)

BENCH MARK — B.M.-H.D.

LOCATION — ON RIGHT BANK IN THE VICINITY OF WAT MAP KRAT AND ABOUT 150 METERS FROM THE GAGE SITE.

ELEVATION — +215.006 M(M.S.L.)

GAGE READING FREQUENCY — 5-TIME DAILY READINGS AT 06.00, 09.00, 12.00, 15.00 AND 18.00 HOURS.

BASIS OF MEAN DAILY GAGE HEIGHT — ARITHMETIC MEAN OF 5 READINGS.

PERIOD OF AVAILABLE GAGE RECORDS — 1968 TO DATE.

RATING OPERATION

PERIOD OF RATING — 1968 - 1969, 1981 TO DATE.

RATED BY FLOAT — -

RATED BY CURRENT METER — 1968 - 1969, 1981 TO DATE.

STABILITY OF CHANNEL REGIMES — STABLE.

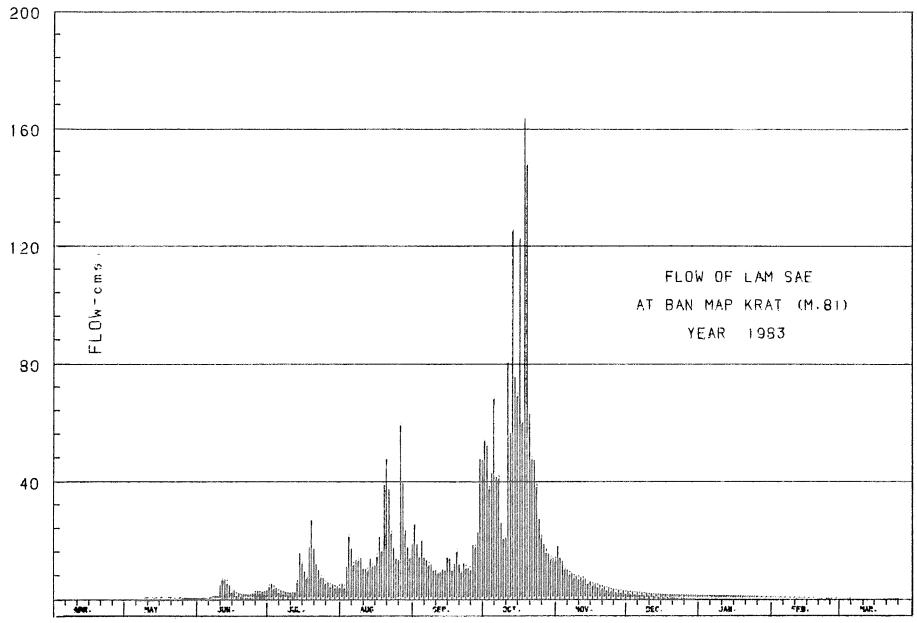
OVERBANK FLOW CONDITIONS — OVERBANK FLOW STARTS AT ELEVATION +213.57 M.(M.S.L.) AND IS INCLUDED.

GENERAL DESCRIPTION — RECORDS GOOD. FLOW EFFECTED BY LAM SAE DAM DOWNSTREAM. STAGE-DISCHARGE RELATION DEFINED BY 117 DISCHARGE MEASUREMENTS MADE IN 1983.

GAGE HEIGHT IN METER (MSL), WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	209.01	208.99	209.52	211.43	211.49	212.56	213.05	212.28	210.98	210.39	209.89	209.50	
2	209.06	209.13	209.52	211.47	211.41	212.31	213.02	212.14	210.96	210.38	209.85	209.47	
3	209.05	209.24	209.50	211.37	211.93	212.15	212.73	212.03	210.93	210.38	209.83	209.45	
4	209.16	209.19	209.48	211.25	212.44	212.36	212.83	211.94	210.90	210.36	209.81	209.43	
5	209.16	209.29	209.54	211.14	212.24	212.14	213.20	211.88	210.89	210.34	209.79	209.41	
6	209.14	209.52	209.73	211.06	212.01	212.04	212.80	211.84	210.85	210.33	209.77	209.39	
7	209.05	209.58	210.01	210.97	212.05	212.01	212.81	211.81	210.83	210.31	209.74	209.37	
8	209.04	209.60	210.10	210.90	212.09	211.97	212.55	211.76	210.81	210.29	209.73	209.35	
9	209.00	209.66	210.11	210.84	212.08	211.92	212.42	211.73	210.78	210.28	209.70	209.32	
10	208.99	209.70	211.40	210.81	211.95	211.87	212.40	211.72	210.75	210.27	209.69	209.31	
11	208.99	209.70	211.66	210.80	211.90	211.86	213.31	211.69	210.72	210.27	209.68	209.29	
12	208.98	209.70	211.63	210.85	211.91	211.82	213.07	211.70	210.69	210.26	209.67	209.29	
13	208.99	209.74	211.61	211.60	212.07	211.94	213.60	211.64	210.66	210.25	209.66	209.27	
14	208.99	209.75	211.39	212.16	211.98	211.85	213.26	211.60	210.64	210.23	209.66	209.25	
15	209.01	209.75	211.15	212.03	211.95	212.14	213.21	211.57	210.62	210.22	209.65	209.24	
16	209.01	209.75	211.07	211.83	212.15	212.07	213.58	211.53	210.60	210.21	209.62	209.23	
17	209.01	209.76	210.85	211.75	212.41	211.92	213.12	211.49	210.58	210.20	209.60	209.22	
18	209.01	209.77	210.76	212.26	212.24	211.98	213.77	211.46	210.56	210.21	209.57	209.21	
19	209.03	209.76	210.69	212.60	212.74	212.23	213.71	211.42	210.56	210.16	209.57	209.21	
20	209.00	209.72	210.63	212.24	212.96	211.97	213.14	211.38	210.55	210.11	209.57	209.18	
21	208.99	209.66	210.57	212.03	212.71	211.88	212.96	211.33	210.53	210.08	209.58	209.16	
22	208.99	209.65	210.54	211.87	212.48	211.99	212.93	211.29	210.52	210.11	209.61	209.15	
23	208.98	209.64	210.58	211.75	212.25	211.96	212.75	211.27	210.51	210.13	209.63	209.20	
24	208.98	209.63	210.73	211.67	212.12	211.91	212.58	211.22	210.50	210.11	209.56	209.28	
25	208.98	209.62	211.00	211.59	212.05	211.93	212.43	211.18	210.48	210.05	209.58	209.22	
26	208.99	209.56	211.03	211.54	213.11	212.30	212.31	211.14	210.47	209.98	209.60	209.22	
27	208.99	209.55	210.99	211.49	212.76	212.30	212.23	211.11	210.45	209.95	209.59	209.19	
28	208.98	209.54	210.92	211.45	212.48	212.46	212.15	211.08	210.44	209.93	209.54	209.22	
29	208.98	209.55	210.95	211.40	212.26	212.96	212.11	211.04	210.42	209.91	209.51	209.27	
30	208.99	209.56	211.07	211.33	212.13	212.93	212.08	211.00	210.40	209.90		209.27	
31		209.54		211.42	212.31		212.09		210.39	209.88		209.26	
MEAN	209.02	209.57	210.62	211.51	212.21	212.12	212.85	211.54	210.64	210.18	209.66	209.28	
MAX	209.16	209.77	211.66	212.60	213.11	212.96	213.77	212.28	210.98	210.39	209.89	209.50	213.77
MIN	208.98	208.99	209.48	210.80	211.41	211.82	212.08	211.00	210.39	209.88	209.51	209.15	208.98

ANNUAL MAX MOMENTARY GAGE HEIGHT 214.12 M (MSL), AT 19.00 HOURS, ON OCT 18, 1983
ZERO GAGE AT BOTTOM ELEVATION 208.00 M (MSL), RIVER BED 207.93 M (MSL)
LEFT BANK ELEVATION 213.75 M (MSL)
RIGHT BANK ELEVATION 213.56 M (MSL), DRAINAGE AREA 482 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.01	0.00	0.52	5.08	5.44	26.40	54.75	18.10	2.84	1.39	0.89	0.50	
2	0.06	0.13	0.52	5.32	4.96	18.75	52.20	15.30	2.78	1.38	0.85	0.47	
3	0.05	0.24	0.50	4.72	11.10	15.50	38.35	13.10	2.69	1.38	0.83	0.45	
4	0.16	0.19	0.48	4.00	22.20	20.00	42.85	11.30	2.60	1.36	0.81	0.43	
5	0.16	0.29	0.54	3.46	17.30	15.30	69.00	10.20	2.57	1.34	0.79	0.41	
6	0.14	0.52	0.73	3.14	12.70	13.30	41.50	9.60	2.45	1.33	0.77	0.39	
7	0.05	0.58	1.01	2.81	13.50	12.70	41.95	9.15	2.39	1.31	0.74	0.37	
8	0.04	0.60	1.10	2.60	14.30	11.90	26.00	8.48	2.33	1.29	0.73	0.35	
9	0.00	0.66	1.11	2.42	14.10	10.90	21.60	8.09	2.24	1.28	0.70	0.32	
10	0.00	0.70	4.90	2.33	11.50	10.05	21.00	7.96	2.15	1.27	0.69	0.31	
11	0.00	0.70	7.22	2.30	10.50	9.90	81.30	7.58	2.06	1.27	0.68	0.29	
12	0.00	0.70	6.86	2.45	10.70	9.30	56.45	7.70	1.98	1.26	0.67	0.29	
13	0.00	0.74	6.62	6.50	13.90	11.30	126.00	6.98	1.92	1.25	0.66	0.27	
14	0.00	0.75	4.84	15.70	12.10	9.75	75.60	6.50	1.88	1.23	0.66	0.25	
15	0.01	0.75	3.50	13.10	11.50	15.30	70.10	6.20	1.84	1.22	0.65	0.24	
16	0.01	0.75	3.18	9.45	15.50	13.90	122.60	5.80	1.80	1.21	0.62	0.23	
17	0.01	0.76	2.45	8.35	21.30	10.90	61.00	5.44	1.76	1.20	0.60	0.22	
18	0.01	0.77	2.18	17.70	17.30	12.10	163.50	5.26	1.72	1.21	0.57	0.21	
19	0.03	0.76	1.98	28.00	38.80	17.10	148.50	5.02	1.72	1.16	0.57	0.21	
20	0.00	0.72	1.86	17.30	48.70	11.90	63.00	4.78	1.70	1.11	0.57	0.18	
21	0.00	0.66	1.74	13.10	37.45	10.20	48.70	4.48	1.66	1.08	0.58	0.16	
22	0.00	0.65	1.68	10.05	23.40	12.30	47.35	4.24	1.64	1.11	0.61	0.15	
23	0.00	0.64	1.76	8.35	17.50	11.70	39.25	4.12	1.62	1.13	0.63	0.20	
24	0.00	0.63	2.09	7.34	14.90	10.70	27.20	3.82	1.60	1.11	0.56	0.28	
25	0.00	0.62	2.90	6.40	13.50	11.10	21.90	3.62	1.56	1.05	0.58	0.22	
26	0.00	0.56	3.02	5.90	60.00	18.50	18.75	3.46	1.54	0.98	0.60	0.22	
27	0.00	0.55	2.87	5.44	39.70	18.50	17.10	3.34	1.50	0.95	0.59	0.19	
28	0.00	0.54	2.66	5.20	23.40	22.80	15.50	3.22	1.48	0.93	0.54	0.22	
29	0.00	0.55	2.75	4.90	17.70	48.70	14.70	3.06	1.44	0.91	0.51	0.27	
30	0.00	0.56	3.18	4.48	15.10	47.35	14.10	2.90	1.40	0.90		0.27	
31		0.54		5.02	18.75		14.30		1.39	0.88		0.26	
TOTAL	0.74	17.81	76.75	232.91	608.80	488.10	1656.10	208.80	60.25	36.48	19.25	8.83	3414.82 CMSDAY
MEAN	0.02	0.57	2.56	7.51	19.64	16.27	53.42	6.96	1.94	1.18	0.66	0.28	9.33 CMS
MAX	0.16	0.77	7.22	28.00	60.00	48.70	163.50	18.10	2.84	1.39	0.89	0.50	163.50 CMS
MIN	0.00	0.00	0.48	2.30	4.96	9.30	14.10	2.90	1.39	0.88	0.51	0.15	0.00 CMS
RUNOFF	0.064	1.539	6.631	20.123	52.600	42.172	143.087	18.040	5.206	3.152	1.663	0.763	295.040 MCM

MOMENTARY PEAK 304.99 CMS, AT 214.12 M (MSL), AT 19.00 HOURS, ON OCT 18, 1983

RUNOFF YIELD 19.36 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 632.77 LITERS/SECOND/SQUARE KM

WATER YEAR 1983

MUN RIVER BASIN

LAM SAE AT BAN MAP KRAT, NAKHON RATCHASIMA (M.81A)

LOCATION — LAT. 14°-22'-22" N., LONG. 102°-15'-40" E., ON RIGHT BANK ABOUT 4 KILOMETERS UPSTREAM FROM M.81 STATION AT BAN MAP KRAT, TAMBON KHOK KRA CHAI, AMPHOE KHON BURI, NAKHON RATCHASIMA.

DRAINAGE AREA — 433 SQ. KM.

TYPE OF GAGE — WATER-STAGE RECORDER.

ZERO GAGE AT BOTTOM — +209.767 M.(M.S.L.)

BENCH MARK — B.M.-H.D.

LOCATION — BESIDE THE AUTOMATIC GAGE BUILDING.

ELEVATION — +216.857 M.(M.S.L.)

GAGE READING FREQUENCY — RECORDING.

BASIS OF MEAN DAILY GAGE HEIGHT — ARITHMETIC MEAN OF 24 READINGS.

PERIOD OF AVAILABLE GAGE RECORDS — 1970 TO DATE.

RATING OPERATION

PERIOD OF RATING — 1970 - 1980.

RATED BY FLOAT — -

RATED BY CURRENT METER — 1970 - 1980.

STABILITY OF CHANNEL REGIMES — STABLE.

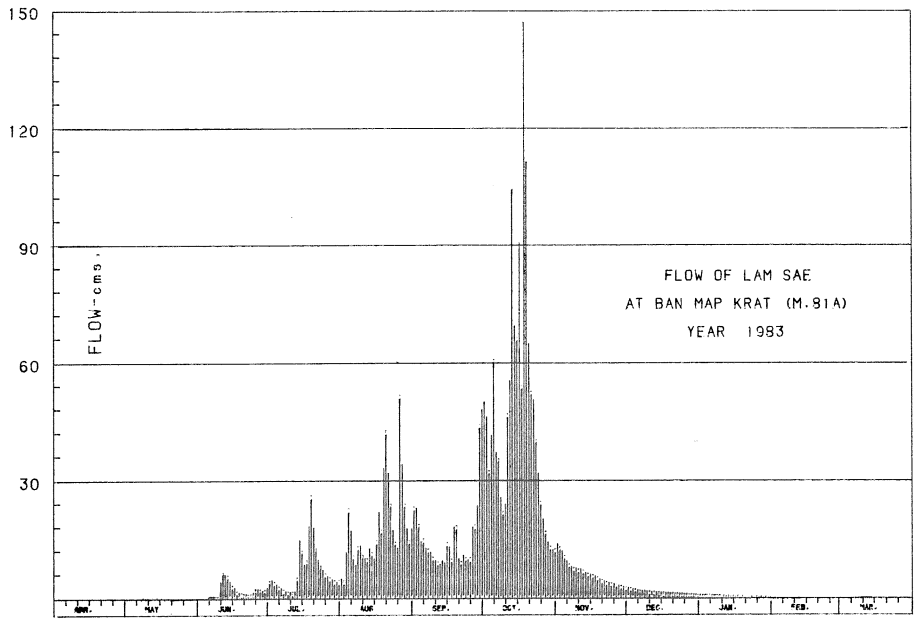
OVERBANK FLOW CONDITIONS — OVERBANK FLOW STARTS AT ELEVATION +213.98 M.(M.S.L.) AND IS INCLUDED.

GENERAL DESCRIPTION — RECORDS FAIR. STAGE-DISCHARGE RELATION DEFINED BY 502 DISCHARGE MEASUREMENTS MADE DURING 1977 - 1980.

GAGE HEIGHT IN METER (MSL), WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	210.00	209.55	209.73	211.51	211.62	212.89	213.93	212.40	211.17	210.55	210.07	209.88	
2	209.98	209.55	209.78	211.57	211.54	212.88	213.78	212.34	211.14	210.54	210.05	209.88	
3	209.88	209.55	209.82	211.46	212.26	212.67	213.28	212.28	211.12	210.53	210.04	209.86	
4	209.77	209.65	209.95	211.34	212.87	212.44	213.62	212.19	211.08	210.53	210.03	209.84	
5	209.77	209.85	210.13	211.23	212.59	212.48	214.21	212.11	211.05	210.52	210.03	209.84	
6	209.77	209.99	210.24	211.15	212.20	212.33	213.47	212.03	211.02	210.51	210.02	209.81	
7	209.75	210.09	210.26	211.06	212.02	212.31	213.40	211.97	211.01	210.49	210.01	209.80	
8	209.72	210.10	210.27	210.99	212.35	212.26	213.01	211.94	210.99	210.48	210.00	209.77	
9	209.71	210.04	210.29	210.93	212.37	212.17	212.83	211.93	210.97	210.47	210.00	209.74	
10	209.68	210.09	211.47	210.91	212.21	212.12	212.93	211.90	210.95	210.45	209.98	209.73	
11	209.66	210.12	211.82	210.89	212.16	212.09	213.80	211.91	210.92	210.43	209.97	209.72	
12	209.62	210.11	211.76	210.95	212.15	212.03	214.06	211.87	210.89	210.43	209.95	209.72	
13	209.60	210.09	211.73	211.65	212.32	212.16	215.28	211.82	210.87	210.41	209.94	209.71	
14	209.59	210.10	211.50	212.46	212.25	212.07	214.45	211.79	210.85	210.40	209.93	209.69	
15	209.58	210.11	211.28	212.28	212.15	212.42	214.37	211.77	210.84	210.39	209.92	209.67	
16	209.58	210.08	211.19	212.02	212.45	212.35	214.96	211.74	210.81	210.37	209.91	209.67	
17	209.58	209.96	210.97	212.12	212.83	212.14	214.02	211.71	210.80	210.36	209.89	209.65	
18	209.58	209.78	210.86	212.65	212.60	212.64	216.04	211.67	210.77	210.36	209.89	209.64	
19	209.60	209.74	210.79	213.03	213.31	212.65	215.43	211.62	210.77	210.34	209.88	209.66	
20	209.58	209.76	210.72	212.63	213.66	212.15	214.33	211.56	210.75	210.32	209.87	209.61	
21	209.56	209.77	210.67	212.32	213.26	212.10	213.98	211.51	210.74	210.31	209.90	209.60	
22	209.56	209.77	210.63	212.13	212.93	212.21	213.92	211.46	210.73	210.28	209.90	209.62	
23	209.55	209.76	210.67	211.99	212.60	212.16	213.58	211.43	210.71	210.27	209.90	209.67	
24	209.55	209.75	210.85	211.89	212.43	212.13	213.26	211.39	210.69	210.25	209.90	209.71	
25	209.55	209.74	211.10	211.79	212.33	212.16	212.96	211.36	210.67	210.21	209.92	209.66	
26	209.56	209.73	211.12	211.71	213.95	212.64	212.74	211.33	210.65	210.17	209.89	209.65	
27	209.56	209.73	211.08	211.66	213.35	212.66	212.58	211.29	210.64	210.16	209.91	209.63	
28	209.56	209.72	211.02	211.60	212.93	212.91	212.43	211.25	210.62	210.14	209.91	209.65	
29	209.55	209.72	211.05	211.54	212.62	213.71	212.35	211.22	210.60	210.11	209.89	209.68	
30	209.55	209.71	211.17	211.47	212.45	213.84	212.30	211.19	210.57	210.09		209.68	
31		209.71		211.55	212.62		212.31		210.55	210.09		209.68	
MEAN	209.65	209.85	210.80	211.69	212.56	212.46	213.66	211.73	210.84	210.35	209.95	209.71	
MAX	210.00	210.12	211.82	213.03	213.95	213.84	216.04	212.40	211.17	210.55	210.07	209.88	216.04
MIN	209.55	209.55	209.73	210.89	211.54	212.03	212.30	211.19	210.55	210.09	209.87	209.60	209.55

ANNUAL MAX MOMENTARY GAGE HEIGHT 216.47 M (MSL), AT 11.00 HOURS, ON OCT 18, 1983
ZERO GAGE AT BOTTOM ELEVATION 209.77 M (MSL), RIVER BED 209.10 M (MSL)
LEFT BANK ELEVATION 213.97 M (MSL)
RIGHT BANK ELEVATION 214.04 M (MSL), DRAINAGE AREA 433 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.20	0.00	0.00	4.55	5.15	23.30	51.05	14.00	2.85	0.90	0.27	0.08	
2	0.18	0.00	0.00	4.85	4.70	23.10	46.40	13.10	2.70	0.88	0.25	0.08	
3	0.08	0.00	0.02	4.30	11.90	18.90	32.50	12.20	2.60	0.86	0.24	0.06	
4	0.00	0.00	0.15	3.70	22.90	14.60	41.60	10.85	2.40	0.86	0.23	0.04	
5	0.00	0.05	0.33	3.15	17.30	15.20	60.85	9.65	2.25	0.84	0.23	0.04	
6	0.00	0.19	0.44	2.75	11.00	12.95	37.25	8.80	2.10	0.82	0.22	0.01	
7	0.00	0.29	0.46	2.30	8.70	12.65	35.50	8.20	2.05	0.78	0.21	0.00	
8	0.00	0.30	0.47	1.98	13.25	11.90	25.75	7.90	1.98	0.76	0.20	0.00	
9	0.00	0.24	0.49	1.83	13.55	10.55	22.10	7.80	1.93	0.74	0.20	0.00	
10	0.00	0.29	4.35	1.78	11.15	9.80	24.10	7.50	1.87	0.70	0.18	0.00	
11	0.00	0.32	6.70	1.72	10.40	9.40	47.00	7.60	1.80	0.66	0.17	0.00	
12	0.00	0.31	6.20	1.87	10.25	8.80	55.60	7.20	1.72	0.66	0.15	0.00	
13	0.00	0.29	5.98	5.38	12.80	10.40	105.10	6.70	1.68	0.62	0.14	0.00	
14	0.00	0.30	4.50	14.90	11.75	9.20	69.50	6.43	1.63	0.60	0.13	0.00	
15	0.00	0.31	3.40	12.20	10.25	14.30	66.45	6.28	1.60	0.59	0.12	0.00	
16	0.00	0.28	2.95	8.70	14.75	13.25	90.70	6.05	1.52	0.57	0.11	0.00	
17	0.00	0.16	1.93	9.80	22.10	10.10	54.20	5.83	1.50	0.56	0.09	0.00	
18	0.00	0.00	1.65	18.50	17.50	18.30	147.10	5.52	1.43	0.56	0.09	0.00	
19	0.00	0.00	1.48	26.25	33.25	18.50	112.15	5.15	1.43	0.54	0.08	0.00	
20	0.00	0.00	1.30	18.10	42.80	10.25	65.05	4.80	1.37	0.52	0.07	0.00	
21	0.00	0.00	1.17	12.80	32.00	9.50	52.80	4.55	1.35	0.51	0.10	0.00	
22	0.00	0.00	1.07	9.95	24.10	11.15	50.70	4.30	1.33	0.48	0.10	0.00	
23	0.00	0.00	1.17	8.40	17.50	10.40	40.40	4.15	1.28	0.47	0.10	0.00	
24	0.00	0.00	1.63	7.40	14.45	9.95	32.00	3.95	1.22	0.45	0.10	0.00	
25	0.00	0.00	2.50	6.43	12.95	10.40	24.70	3.80	1.17	0.41	0.12	0.00	
26	0.00	0.00	2.60	5.83	51.75	18.30	20.30	3.65	1.13	0.37	0.09	0.00	
27	0.00	0.00	2.40	5.45	34.25	18.70	17.10	3.45	1.10	0.36	0.11	0.00	
28	0.00	0.00	2.10	5.00	24.10	23.70	14.45	3.25	1.05	0.34	0.11	0.00	
29	0.00	0.00	2.25	4.70	17.90	44.30	13.25	3.10	1.00	0.31	0.09	0.00	
30	0.00	0.00	2.85	4.35	14.75	48.20	12.50	2.95	0.94	0.29		0.00	
31		0.00		4.75	17.90		12.65		0.90	0.29		0.00	
TOTAL	0.46	3.33	62.54	223.67	567.10	480.05	1480.80	198.71	50.88	18.30	4.30	0.31	3090.45 CMSDAY
MEAN	0.02	0.11	2.08	7.22	18.29	16.00	47.77	6.62	1.64	0.59	0.15	0.01	8.44 CMS
MAX	0.20	0.32	6.70	26.25	51.75	48.20	147.10	14.00	2.85	0.90	0.27	0.08	147.10 CMS
MIN	0.00	0.00	0.00	1.72	4.70	8.80	12.50	2.95	0.90	0.29	0.07	0.00	0.00 CMS
RUNOFF	0.040	0.288	5.403	19.325	48.997	41.476	127.941	17.169	4.396	1.581	0.372	0.027	267.015 MCM

MOMENTARY PEAK 175.90 CMS, AT 216.47 M (MSL), AT 11.00 HOURS, ON OCT 18, 1983

RUNOFF YIELD 19.50 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 406.24 LITERS/SECOND/SQUARE KM

WATER YEAR 1983

MUN RIVER BASIN

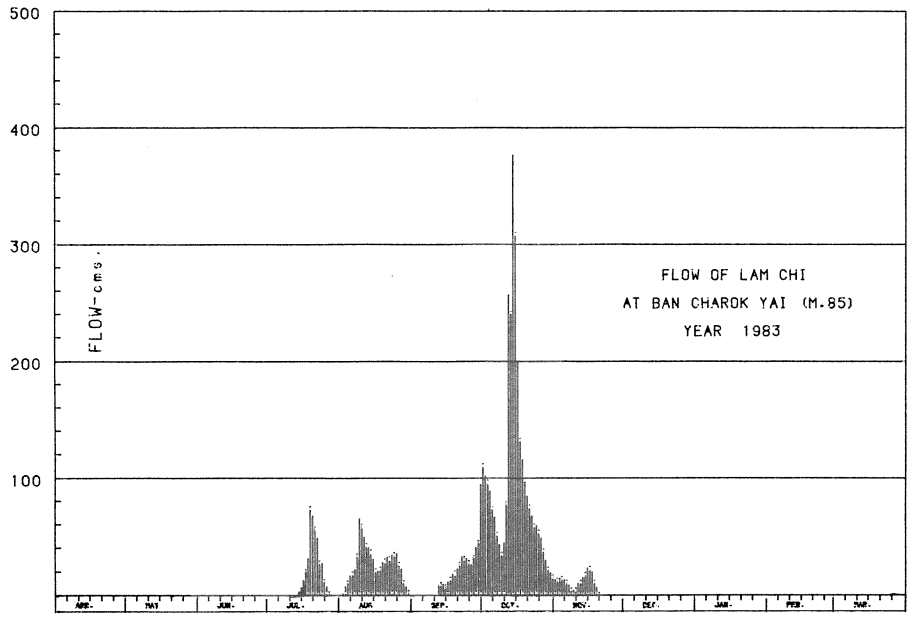
LAM CHI AT BAN CHAROK YAI, BURI RAM (M.85)

LOCATION	LAT. 14°-37′-54″ N., LONG. 103°-14′-03″ E., ON RIGHT BANK AT THE BRIDGE OF PRASAT-PRAKHONCHAI HIGHWAY NEAR GUIDEPOST 104 AT BAN CHAROK YAI, TAMBON LAVIA, AMPHOE PRAKHON CHAI, BURI RAM.
DRAINAGE AREA	1,046 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM	+0.00 M.(A.D.)
BENCH MARK	B.M.-H.D.
LOCATION	ON RIGHT BANK AT THE ABUTMENT OF THE BRIDGE.
ELEVATION	+6.546 M.(A.D.)
GAGE READING FREQUENCY	3-5 TIME DAILY READINGS AT 06.00, 09.00, 12.00, 15.00 AND 18.00 HOURS.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 3-5 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1969 - 1971, 1979 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1969 - 1971, 1979, 1981 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1969 - 1971, 1979, 1981 TO DATE.
STABILITY OF CHANNEL REGIMES	RATHER UNSTABLE.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS FAIR. STAGE-DISCHARGE RELATION DEFINED BY 35 DISCHARGE MEASUREMENTS MADE IN 1983.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.47	0.48	0.76	0.94	2.70	2.64	3.88	2.91	2.54	2.34	2.25	2.08	
2	0.47	0.49	0.76	1.29	2.75	2.63	3.83	2.93	2.50	2.34	2.24	2.08	
3	0.47	0.51	0.75	1.41	2.82	2.62	3.81	2.93	2.48	2.34	2.23	2.07	
4	0.46	0.50	0.75	1.48	2.89	2.61	3.75	2.95	2.45	2.35	2.23	2.07	
5	0.44	0.49	0.74	1.54	2.96	2.57	3.65	2.91	2.43	2.35	2.22	2.07	
6	0.42	0.49	0.74	1.57	3.01	2.55	3.58	2.90	2.43	2.34	2.21	2.06	
7	0.41	0.50	0.74	1.56	3.04	2.55	3.46	2.84	2.43	2.34	2.19	2.06	
8	0.40	0.51	0.76	1.65	3.23	2.55	3.34	2.80	2.42	2.33	2.18	2.05	
9	0.40	0.52	0.76	1.70	3.57	2.59	3.25	2.77	2.40	2.33	2.16	2.05	
10	0.40	0.53	0.77	1.74	3.53	2.60	3.36	2.80	2.39	2.32	2.14	2.05	
11	0.40	0.53	0.77	1.81	3.42	2.60	3.68	2.86	2.39	2.32	2.13	2.04	
12	0.40	0.54	0.78	2.13	3.35	2.83	4.20	2.90	2.38	2.31	2.12	2.04	
13	0.41	0.54	0.78	2.58	3.31	2.87	4.18	2.94	2.38	2.31	2.11	2.03	
14	0.41	0.53	0.77	2.75	3.28	2.85	4.29	3.00	2.39	2.30	2.12	2.03	
15	0.41	0.53	0.77	2.80	3.17	2.84	4.24	3.06	2.40	2.30	2.12	2.02	
16	0.41	0.53	0.78	2.90	3.05	2.88	4.12	3.08	2.41	2.29	2.12	2.02	
17	0.39	0.53	0.78	3.04	3.02	2.94	3.97	3.01	2.41	2.26	2.12	2.02	
18	0.38	0.54	0.79	3.18	3.07	2.98	3.90	2.90	2.40	2.24	2.13	2.01	
19	0.38	0.54	0.79	3.65	3.13	3.02	3.82	2.81	2.40	2.23	2.13	2.01	
20	0.38	0.54	0.80	3.59	3.17	3.05	3.72	2.74	2.41	2.22	2.13	2.01	
21	0.37	0.54	0.80	3.51	3.19	3.13	3.66	2.69	2.42	2.23	2.13	2.00	
22	0.37	0.55	0.80	3.41	3.20	3.20	3.59	2.63	2.43	2.23	2.13	2.00	
23	0.37	0.55	0.80	3.15	3.22	3.20	3.53	2.57	2.41	2.24	2.13	1.99	
24	0.36	0.55	0.80	3.12	3.25	3.18	3.52	2.55	2.39	2.23	2.12	1.99	
25	0.36	0.63	0.81	2.91	3.24	3.15	3.48	2.57	2.37	2.24	2.12	1.98	
26	0.51	0.71	0.82	2.82	3.13	3.10	3.41	2.56	2.37	2.24	2.11	1.96	
27	0.49	0.74	0.83	2.75	3.05	3.21	3.29	2.55	2.36	2.24	2.10	1.93	
28	0.48	0.75	0.84	2.72	2.90	3.31	3.16	2.55	2.36	2.24	2.09	1.92	
29	0.48	0.76	0.85	2.68	2.82	3.38	3.07	2.56	2.35	2.24	2.08	1.90	
30	0.47	0.76	0.88	2.66	2.77	3.79	3.00	2.56	2.35	2.24		1.90	
31		0.77		2.65	2.69		2.97		2.35	2.24		1.89	
MEAN	0.42	0.57	0.79	2.44	3.09	2.91	3.64	2.79	2.41	2.28	2.15	2.01	
MAX	0.51	0.77	0.88	3.65	3.57	3.79	4.29	3.08	2.54	2.35	2.25	2.08	4.29
MIN	0.36	0.48	0.74	0.94	2.69	2.55	2.97	2.55	2.35	2.22	2.08	1.89	0.36

ANNUAL MAX MOMENTARY GAGE HEIGHT 4.30 M (A.D), AT 18.00 HOURS, ON OCT 14, 1983
ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D), RIVER BED -0.01 M (A.D)
LEFT BANK ELEVATION 6.23 M (A.D)
RIGHT BANK ELEVATION 6.21 M (A.D), DRAINAGE AREA 1046 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.00	0.00	0.55	1.17	20.00	18.80	112.00	15.90	5.10	2.40	1.50	0.40	
2	0.00	0.00	0.55	2.37	21.25	18.60	102.00	16.70	4.50	2.40	1.40	0.40	
3	0.00	0.00	0.51	3.08	23.00	18.40	98.00	16.70	4.20	2.40	1.30	0.35	
4	0.00	0.00	0.51	3.64	24.75	18.20	89.00	17.50	3.75	2.50	1.30	0.35	
5	0.00	0.00	0.48	4.12	27.10	17.40	75.50	15.90	3.45	2.50	1.20	0.35	
6	0.00	0.00	0.48	4.36	28.90	17.00	66.60	15.50	3.45	2.40	1.10	0.30	
7	0.00	0.00	0.48	4.28	30.10	17.00	53.40	13.40	3.45	2.40	0.95	0.30	
8	0.00	0.00	0.55	5.00	38.15	17.00	44.40	12.00	3.30	2.30	0.90	0.25	
9	0.00	0.00	0.55	5.40	65.40	17.80	39.25	10.95	3.00	2.30	0.80	0.25	
10	0.00	0.00	0.58	5.72	60.60	18.00	45.60	12.00	2.90	2.20	0.70	0.25	
11	0.00	0.00	0.58	6.28	49.80	18.00	79.40	14.10	2.90	2.20	0.65	0.20	
12	0.00	0.00	0.62	10.45	45.00	23.25	257.00	15.50	2.80	2.10	0.60	0.20	
13	0.00	0.00	0.62	17.60	42.60	24.25	242.80	17.10	2.80	2.10	0.55	0.15	
14	0.00	0.00	0.58	21.25	40.90	23.75	376.70	19.50	2.90	2.00	0.60	0.15	
15	0.00	0.00	0.58	22.50	35.30	23.50	310.20	23.40	3.00	2.00	0.60	0.10	
16	0.00	0.00	0.62	25.00	30.50	24.50	200.20	24.70	3.15	1.90	0.60	0.10	
17	0.00	0.00	0.62	30.10	29.30	26.40	134.20	20.15	3.15	1.60	0.60	0.10	
18	0.00	0.00	0.65	35.70	31.30	27.80	116.00	15.50	3.00	1.40	0.65	0.05	
19	0.00	0.00	0.65	75.50	33.70	29.30	100.00	12.35	3.00	1.30	0.65	0.05	
20	0.00	0.00	0.69	67.80	35.30	30.50	84.80	9.90	3.15	1.20	0.65	0.05	
21	0.00	0.00	0.69	58.20	36.10	33.70	76.80	8.25	3.30	1.30	0.65	0.00	
22	0.00	0.00	0.69	48.90	36.50	36.50	67.80	6.75	3.45	1.30	0.65	0.00	
23	0.00	0.00	0.69	34.50	37.60	36.50	60.60	5.55	3.15	1.40	0.65	0.00	
24	0.00	0.00	0.69	33.30	39.25	35.70	59.40	5.25	2.90	1.30	0.60	0.00	
25	0.00	0.10	0.72	25.35	38.70	34.50	55.20	5.55	2.70	1.40	0.60	0.00	
26	0.00	0.38	0.75	23.00	33.70	32.50	48.90	5.40	2.70	1.40	0.55	0.00	
27	0.00	0.48	0.79	21.25	30.50	37.05	39.30	5.25	2.60	1.40	0.50	0.00	
28	0.00	0.51	0.82	20.50	25.00	42.60	30.20	5.25	2.60	1.40	0.45	0.00	
29	0.00	0.55	0.86	19.60	23.00	46.80	24.05	5.40	2.50	1.40	0.40	0.00	
30	0.00	0.55	0.96	19.20	21.75	94.60	19.50	5.40	2.50	1.40		0.00	
31		0.58		19.00	19.80		18.30		2.50	1.40		0.00	
TOTAL	0.00	3.15	19.11	674.12	1054.85	859.90	3127.10	376.80	97.85	56.70	22.35	4.35	6296.28 CMSDAY
MEAN	0.00	0.10	0.64	21.75	34.03	28.66	100.87	12.56	3.16	1.83	0.77	0.14	17.20 CMS
MAX	0.00	0.58	0.96	75.50	65.40	94.60	376.70	24.70	5.10	2.50	1.50	0.40	376.70 CMS
MIN	0.00	0.00	0.48	1.17	19.80	17.00	18.30	5.25	2.50	1.20	0.40	0.00	0.00 CMS
RUNOFF	0.000	0.272	1.651	58.244	91.139	74.295	270.181	32.556	8.454	4.899	1.931	0.376	543.999 MCM

MOMENTARY PEAK 390.00 CMS, AT 4.30 M (A.D), AT 18.00 HOURS, ON OCT 14, 1983
RUNOFF YIELD 16.45 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 372.85 LITERS/SECOND/SQUARE KM

WATER YEAR 1983

MUN RIVER BASIN

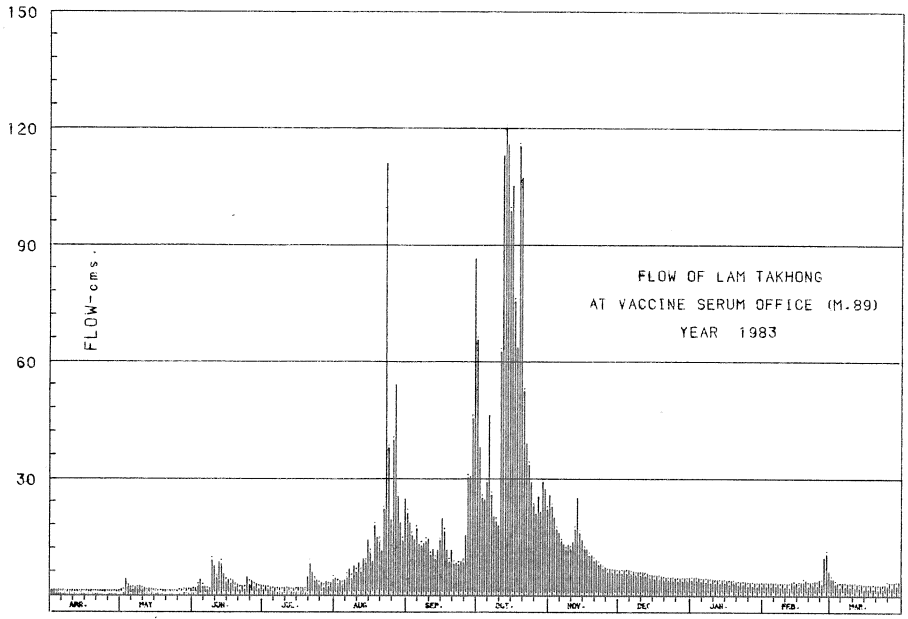
LAM TAKHONG AT PAK CHONG, NAKHON RATCHASIMA (M.89)

LOCATION	LAT. 14°-41'-46" N., LONG. 101°-25'-07" E., ON LEFT BANK AT THE BRIDGE INFRONT OF VACCINE SERUM OFFICE, AMPHOE PAK CHONG, NAKHON RATCHASIMA.
DRAINAGE AREA	699 SQ.KM.
TYPE OF GAGE	WATER-STAGE RECORDER.
ZERO GAGE AT BOTTOM	+0.00 M.(A.D.)
BENCH MARK	B.M.-H.D.
LOCATION	ON LEFT BANK AT THE ABUTMENT OF THE BRIDGE.
ELEVATION	+8.909 M.(A.D.)
GAGE READING FREQUENCY	RECORDING.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 24 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1970 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1971 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1971 TO DATE.
STABILITY OF CHANNEL REGIMES	STABLE.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS GOOD. STAGE-DISCHARGE RELATION DEFINED BY 25 DISCHARGE MEASUREMENTS MADE IN 1983.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	1.13	1.15	1.18	1.22	1.34	2.18	3.78	2.33	1.47	1.36	1.27	1.38	
2	1.13	1.16	1.17	1.22	1.32	2.03	2.82	2.24	1.47	1.36	1.27	1.33	
3	1.13	1.33	1.26	1.21	1.30	1.93	2.33	2.09	1.47	1.36	1.27	1.30	
4	1.13	1.24	1.32	1.20	1.29	1.84	2.28	1.99	1.47	1.35	1.27	1.27	
5	1.13	1.21	1.25	1.19	1.31	2.00	2.49	1.92	1.47	1.34	1.27	1.27	
6	1.13	1.21	1.21	1.18	1.42	1.79	3.11	1.85	1.46	1.34	1.27	1.27	
7	1.12	1.20	1.19	1.18	1.48	1.82	2.36	1.79	1.45	1.34	1.26	1.27	
8	1.12	1.21	1.18	1.18	1.41	1.80	2.10	1.76	1.44	1.34	1.26	1.26	
9	1.12	1.22	1.63	1.18	1.52	1.86	2.09	1.79	1.44	1.33	1.26	1.26	
10	1.12	1.20	1.52	1.19	1.49	1.85	2.00	1.77	1.44	1.33	1.26	1.26	
11	1.12	1.18	1.40	1.19	1.56	1.70	3.68	1.82	1.44	1.32	1.26	1.26	
12	1.12	1.15	1.57	1.19	1.49	1.73	5.16	1.99	1.43	1.32	1.26	1.25	
13	1.12	1.16	1.60	1.17	1.61	1.65	5.38	2.30	1.42	1.32	1.28	1.25	
14	1.12	1.15	1.41	1.17	1.61	1.72	5.24	1.95	1.40	1.32	1.29	1.25	
15	1.12	1.15	1.34	1.18	1.84	1.87	4.77	1.84	1.40	1.32	1.27	1.24	
16	1.12	1.14	1.32	1.19	1.73	2.08	4.93	1.77	1.39	1.31	1.28	1.24	
17	1.12	1.13	1.32	1.18	1.58	1.97	4.08	1.73	1.39	1.31	1.28	1.24	
18	1.12	1.13	1.31	1.18	2.03	1.72	3.69	1.69	1.39	1.31	1.33	1.24	
19	1.12	1.13	1.26	1.18	1.87	1.62	5.25	1.66	1.38	1.31	1.31	1.24	
20	1.12	1.12	1.24	1.36	1.87	1.72	4.99	1.63	1.37	1.29	1.28	1.23	
21	1.12	1.12	1.22	1.60	1.71	1.59	3.34	1.60	1.36	1.29	1.28	1.23	
22	1.12	1.12	1.22	1.43	2.21	1.56	2.86	1.58	1.36	1.29	1.28	1.23	
23	1.12	1.12	1.22	1.36	5.10	1.58	2.67	1.55	1.36	1.29	1.30	1.23	
24	1.12	1.12	1.36	1.31	2.84	1.58	2.46	1.53	1.36	1.29	1.29	1.24	
25	1.12	1.12	1.31	1.29	2.06	1.61	2.24	1.51	1.35	1.28	1.32	1.29	
26	1.12	1.15	1.30	1.27	2.92	1.89	2.13	1.49	1.35	1.28	1.32	1.28	
27	1.12	1.14	1.27	1.25	3.37	2.54	2.34	1.49	1.35	1.28	1.63	1.27	
28	1.12	1.16	1.25	1.29	2.35	2.52	2.15	1.48	1.35	1.27	1.71	1.28	
29	1.12	1.16	1.23	1.27	2.03	3.11	2.49	1.48	1.35	1.27	1.45	1.29	
30	1.12	1.16	1.23	1.27	1.87	4.38	2.39	1.47	1.35	1.27		1.29	
31		1.16		1.38	2.29		2.21		1.36	1.27		1.28	
MEAN	1.12	1.16	1.31	1.25	1.93	1.97	3.22	1.77	1.40	1.31	1.31	1.27	
MAX	1.13	1.33	1.63	1.60	5.10	4.38	5.38	2.33	1.47	1.36	1.71	1.38	5.38
MIN	1.12	1.12	1.17	1.17	1.29	1.56	2.00	1.47	1.35	1.27	1.26	1.23	1.12

ANNUAL MAX MOMENTARY GAGE HEIGHT 6.05 M (A.D), AT 2.00 HOURS, ON OCT 20, 1983
ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D), RIVER BED 0.35 M (A.D)
LEFT BANK ELEVATION 8.94 M (A.D)
RIGHT BANK ELEVATION 9.00 M (A.D), DRAINAGE AREA 699 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	1.43	1.65	1.98	2.52	4.44	22.14	66.40	25.85	6.66	4.76	3.32	5.08	
2	1.43	1.76	1.87	2.52	4.12	18.69	38.10	23.60	6.66	4.76	3.32	4.28	
3	1.43	4.28	3.16	2.36	3.80	16.39	25.85	20.07	6.66	4.76	3.32	3.80	
4	1.43	2.84	4.12	2.20	3.64	14.32	24.60	17.77	6.66	4.60	3.32	3.32	
5	1.43	2.36	3.00	2.09	3.96	18.00	29.85	16.16	6.66	4.44	3.32	3.32	
6	1.43	2.36	2.36	1.98	5.76	13.19	46.30	14.55	6.48	4.44	3.32	3.32	
7	1.32	2.20	2.09	1.98	6.84	13.86	26.60	13.19	6.30	4.44	3.16	3.32	
8	1.32	2.36	1.98	1.98	5.58	13.40	20.30	12.56	6.12	4.44	3.16	3.16	
9	1.32	2.52	9.83	1.98	7.60	14.78	20.07	13.19	6.12	4.28	3.16	3.16	
10	1.32	2.20	7.60	2.09	7.02	14.55	18.00	12.77	6.12	4.28	3.16	3.16	
11	1.32	1.98	5.40	2.09	8.40	11.30	63.40	13.86	6.12	4.12	3.16	3.16	
12	1.32	1.65	8.60	2.09	7.02	11.93	113.04	17.77	5.94	4.12	3.16	3.00	
13	1.32	1.76	9.20	1.87	9.41	10.25	120.88	25.10	5.76	4.12	3.48	3.00	
14	1.32	1.65	5.58	1.87	9.41	11.72	115.84	16.85	5.40	4.12	3.64	3.00	
15	1.32	1.65	4.44	1.98	14.32	15.01	99.78	14.32	5.40	4.12	3.32	2.84	
16	1.32	1.54	4.12	2.09	11.93	19.84	105.22	12.77	5.24	3.96	3.48	2.84	
17	1.32	1.43	4.12	1.98	8.80	17.31	76.32	11.93	5.24	3.96	3.48	2.84	
18	1.32	1.43	3.96	1.98	18.69	11.72	63.70	11.09	5.24	3.96	4.28	2.84	
19	1.32	1.43	3.16	1.98	15.01	9.62	116.20	10.46	5.08	3.96	3.96	2.84	
20	1.32	1.32	2.84	4.76	15.01	11.72	107.26	9.83	4.92	3.64	3.48	2.68	
21	1.32	1.32	2.52	9.20	11.51	9.00	53.20	9.20	4.76	3.64	3.48	2.68	
22	1.32	1.32	2.52	5.94	22.85	8.40	39.10	8.80	4.76	3.64	3.48	2.68	
23	1.32	1.32	2.52	4.76	111.00	8.80	34.35	8.20	4.76	3.64	3.80	2.68	
24	1.32	1.32	4.76	3.96	38.60	8.80	29.10	7.80	4.76	3.64	3.64	2.84	
25	1.32	1.32	3.96	3.64	19.38	9.41	23.60	7.40	4.60	3.48	4.12	3.64	
26	1.32	1.65	3.80	3.32	40.68	15.47	20.99	7.02	4.60	3.48	4.12	3.48	
27	1.32	1.54	3.32	3.00	54.10	31.10	26.10	7.02	4.60	3.48	9.83	3.32	
28	1.32	1.76	3.00	3.64	26.35	30.60	21.45	6.84	4.60	3.32	11.51	3.48	
29	1.32	1.76	2.68	3.32	18.69	46.30	29.85	6.84	4.60	3.32	6.30	3.64	
30	1.32	1.76	2.68	3.32	15.01	86.52	27.35	6.66	4.60	3.32		3.64	
31		1.76		5.08	24.85		22.85		4.76	3.32		3.48	
TOTAL	40.26	57.20	121.17	93.57	553.78	544.14	1625.65	389.47	170.18	123.56	118.28	100.52	3937.78 CMSDAY
MEAN	1.34	1.85	4.04	3.02	17.86	18.14	52.44	12.98	5.49	3.99	4.08	3.24	10.76 CMS
MAX	1.43	4.28	9.83	9.20	111.00	86.52	120.88	25.85	6.66	4.76	11.51	5.08	120.88 CMS
MIN	1.32	1.32	1.87	1.87	3.64	8.40	18.00	6.66	4.60	3.32	3.16	2.68	1.32 CMS
RUNOFF	3.478	4.942	10.469	8.084	47.847	47.014	140.456	33.650	14.704	10.676	10.219	8.685	340.224 MCM

MOMENTARY PEAK 145.10 CMS, AT 6.05 M (A.D), AT 2.00 HOURS, ON OCT 20, 1983

RUNOFF YIELD 15.39 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 207.58 LITERS/SECOND/SQUARE KM

WATER YEAR 1983

MUN RIVER BASIN

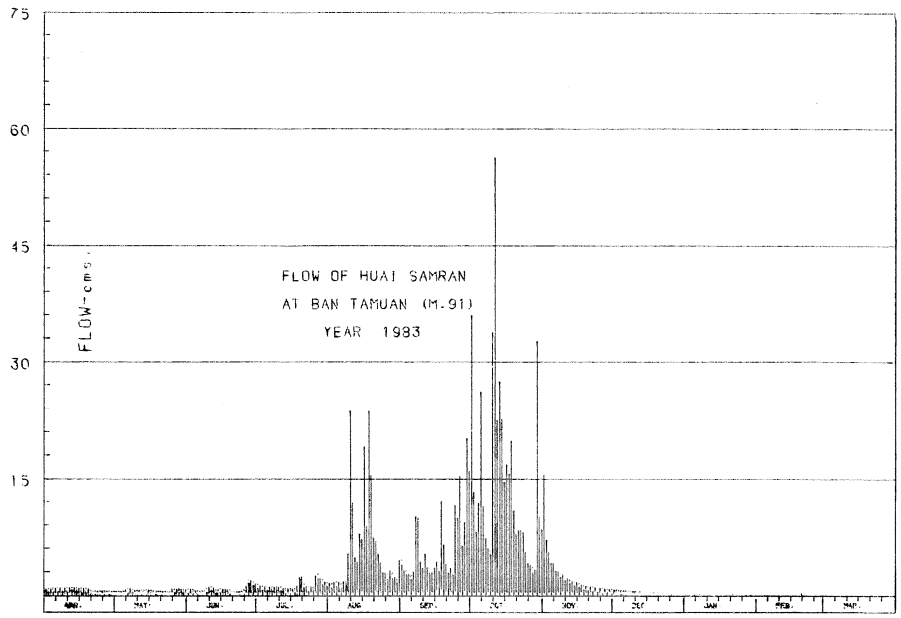
HUAI SAMRAN AT BAN TAMUAN, SI SA KET (M.91)

LOCATION	LAT. 14°-29'-48" N., LONG. 104°-03'-29" E., ON RIGHT BANK ABOUT 15 KILOMETERS FROM THE HIGHWAY AT BAN TAMUAN, TAMBON LALOM, AMPHOE KHUKHAN, SI SA KET.
DRAINAGE AREA	128 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM	+0.00 M.(A.D.)
BENCH MARK	B.M.-H.D.
LOCATION	ON RIGHT BANK ABOUT 1.50 METERS FROM THE TOP OF STAFF GAGE.
ELEVATION	+8.051 M.(A.D.)
GAGE READING FREQUENCY	5-TIME DAILY READINGS AT 06.00, 09.00, 12.00, 15.00 AND 18.00 HOURS.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 5 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1977 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1977 - 1978, 1983 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1977 - 1978, 1983 TO DATE.
STABILITY OF CHANNEL REGIMES	FAIRLY STABLE.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS GOOD. STAGE-DISCHARGE RELATION DEFINED BY 148 DISCHARGE MEASUREMENTS MADE IN 1983.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.73	0.60	0.73	1.02	1.07	1.73	4.41	3.04	0.70	0.41	0.28	0.21	
2	0.75	0.59	0.73	0.95	1.05	1.49	2.80	2.16	0.68	0.40	0.28	0.21	
3	0.75	0.59	0.70	0.92	1.10	1.49	2.28	1.89	0.66	0.40	0.27	0.20	
4	0.80	0.60	0.66	0.89	1.13	1.40	2.65	1.74	0.65	0.39	0.27	0.20	
5	0.80	0.69	0.63	0.88	1.11	1.35	3.85	1.67	0.64	0.38	0.27	0.20	
6	0.81	0.77	0.61	0.87	1.05	1.46	2.60	1.57	0.63	0.38	0.27	0.20	
7	0.81	0.77	0.62	0.87	1.13	2.50	2.19	1.48	0.61	0.37	0.26	0.20	
8	0.81	0.70	0.64	0.86	1.31	2.44	1.96	1.42	0.60	0.37	0.25	0.20	
9	0.81	0.66	0.77	0.86	1.86	1.77	1.91	1.39	0.59	0.37	0.25	0.20	
10	0.81	0.65	0.87	0.86	3.68	1.56	4.27	1.32	0.58	0.36	0.25	0.20	
11	0.83	0.66	0.88	0.87	2.65	1.91	5.26	1.26	0.58	0.36	0.25	0.20	
12	0.83	0.67	0.82	0.78	1.85	1.58	3.57	1.20	0.57	0.36	0.25	0.20	
13	0.83	0.68	0.68	0.78	1.70	1.54	3.93	1.15	0.56	0.35	0.25	0.19	
14	0.81	0.68	0.71	0.76	2.25	1.44	3.58	1.13	0.56	0.35	0.24	0.19	
15	0.81	0.68	0.75	0.76	2.12	1.65	2.98	1.11	0.54	0.34	0.23	0.19	
16	0.81	0.66	0.72	0.75	3.35	1.70	3.16	1.06	0.53	0.34	0.23	0.19	
17	0.80	0.64	0.69	0.77	2.31	1.56	3.09	1.01	0.52	0.34	0.23	0.19	
18	0.79	0.63	0.69	0.93	3.68	2.68	3.38	0.97	0.51	0.33	0.23	0.19	
19	0.75	0.62	0.67	1.41	3.03	2.09	2.58	0.94	0.50	0.32	0.23	0.19	
20	0.65	0.60	0.61	1.31	2.19	1.65	2.20	0.91	0.49	0.32	0.47	0.28	
21	0.62	0.59	0.57	1.03	2.09	1.52	2.30	0.89	0.47	0.32	0.30	0.26	
22	0.62	0.58	0.57	0.91	1.91	1.56	2.26	0.86	0.47	0.31	0.26	0.23	
23	0.62	0.58	0.57	0.86	1.68	1.48	2.28	0.84	0.46	0.31	0.24	0.23	
24	0.62	0.56	0.62	0.88	1.52	2.62	1.89	0.81	0.45	0.30	0.23	0.21	
25	0.63	0.76	0.69	0.84	1.43	2.48	1.73	0.80	0.44	0.30	0.22	0.21	
26	0.62	0.73	0.92	1.34	1.39	3.02	1.63	0.78	0.43	0.30	0.22	0.20	
27	0.62	0.73	1.18	1.40	1.49	2.06	1.57	0.76	0.43	0.29	0.21	0.20	
28	0.62	0.74	1.17	1.25	1.42	2.37	1.51	0.74	0.42	0.29	0.21	0.20	
29	0.60	0.74	1.11	1.20	1.30	3.43	4.23	0.73	0.42	0.29	0.21	0.20	
30	0.60	0.70	1.04	1.12	1.22	3.08	2.45	0.72	0.42	0.29		0.19	
31		0.70		1.09	1.73		2.31		0.41	0.29		0.19	
MEAN	0.73	0.66	0.75	0.97	1.83	1.95	2.80	1.21	0.53	0.34	0.25	0.20	
MAX	0.83	0.77	1.18	1.41	3.68	3.43	5.26	3.04	0.70	0.41	0.47	0.28	5.26
MIN	0.60	0.56	0.57	0.75	1.05	1.35	1.51	0.72	0.41	0.29	0.21	0.19	0.19

ANNUAL MAX MOMENTARY GAGE HEIGHT 6.42 M (A.D), AT 24.00 HOURS, ON OCT 10, 1983
ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D), RIVER BED -0.13 M (A.D)
LEFT BANK ELEVATION 7.29 M (A.D)
RIGHT BANK ELEVATION 7.59 M (A.D), DRAINAGE AREA 128 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.86	0.60	0.86	1.47	1.63	4.58	36.40	15.60	0.80	0.22	0.08	0.01	
2	0.90	0.58	0.86	1.30	1.57	3.25	13.30	7.58	0.76	0.20	0.08	0.01	
3	0.90	0.58	0.80	1.24	1.73	3.25	8.62	5.63	0.72	0.20	0.07	0.00	
4	1.00	0.60	0.72	1.18	1.83	2.80	11.95	4.64	0.70	0.19	0.07	0.00	
5	1.00	0.78	0.66	1.16	1.77	2.60	26.60	4.22	0.68	0.18	0.07	0.00	
6	1.02	0.94	0.62	1.14	1.57	3.10	11.50	3.65	0.66	0.18	0.07	0.00	
7	1.02	0.94	0.64	1.14	1.83	10.60	7.82	3.20	0.62	0.17	0.06	0.00	
8	1.02	0.80	0.68	1.12	2.44	10.06	6.12	2.90	0.60	0.17	0.05	0.00	
9	1.02	0.72	0.94	1.12	5.42	4.82	5.77	2.76	0.58	0.17	0.05	0.00	
10	1.02	0.70	1.14	1.12	24.12	3.60	33.86	2.48	0.56	0.16	0.05	0.00	
11	1.06	0.72	1.16	1.14	11.95	5.77	56.68	2.27	0.56	0.16	0.05	0.00	
12	1.06	0.74	1.04	0.96	5.35	3.70	22.58	2.07	0.54	0.16	0.05	0.00	
13	1.06	0.76	0.76	0.96	4.40	3.50	27.88	1.90	0.52	0.15	0.05	0.00	
14	1.02	0.76	0.82	0.92	8.35	3.00	22.72	1.83	0.52	0.15	0.04	0.00	
15	1.02	0.76	0.90	0.92	7.26	4.10	15.00	1.77	0.48	0.14	0.03	0.00	
16	1.02	0.72	0.84	0.90	19.50	4.40	16.92	1.60	0.46	0.14	0.03	0.00	
17	1.00	0.68	0.78	0.94	8.89	3.60	16.10	1.43	0.44	0.14	0.03	0.00	
18	0.98	0.66	0.78	1.26	24.12	12.22	19.92	1.34	0.42	0.13	0.03	0.00	
19	0.90	0.64	0.74	2.85	15.50	7.03	11.32	1.28	0.40	0.12	0.03	0.00	
20	0.70	0.60	0.62	2.44	7.82	4.10	7.90	1.22	0.38	0.12	0.34	0.08	
21	0.64	0.58	0.54	1.50	7.03	3.40	8.80	1.18	0.34	0.12	0.10	0.06	
22	0.64	0.56	0.54	1.22	5.77	3.60	8.44	1.12	0.34	0.11	0.06	0.03	
23	0.64	0.56	0.54	1.12	4.28	3.20	8.62	1.08	0.32	0.11	0.04	0.03	
24	0.64	0.52	0.64	1.16	3.40	11.68	5.63	1.02	0.30	0.10	0.03	0.01	
25	0.66	0.92	0.78	1.08	2.95	10.42	4.58	1.00	0.28	0.10	0.02	0.01	
26	0.64	0.86	1.24	2.56	2.76	15.40	3.98	0.96	0.26	0.10	0.02	0.00	
27	0.64	0.86	2.00	2.80	3.25	6.82	3.65	0.92	0.26	0.09	0.01	0.00	
28	0.64	0.88	1.97	2.23	2.90	9.43	3.35	0.88	0.24	0.09	0.01	0.00	
29	0.60	0.88	1.77	2.07	2.40	20.62	33.14	0.86	0.24	0.09	0.01	0.00	
30	0.60	0.80	1.53	1.80	2.13	16.00	10.15	0.84	0.24	0.09		0.00	
31		0.80		1.70	4.58		8.89		0.22	0.09		0.00	
TOTAL	25.92	22.50	27.91	44.52	198.50	200.65	478.19	79.23	14.44	4.34	1.63	0.24	1098.07 CMSDAY
MEAN	0.86	0.73	0.93	1.44	6.40	6.69	15.43	2.64	0.47	0.14	0.06	0.01	3.00 CMS
MAX	1.06	0.94	2.00	2.85	24.12	20.62	56.68	15.60	0.80	0.22	0.34	0.08	56.68 CMS
MIN	0.60	0.52	0.54	0.90	1.57	2.60	3.35	0.84	0.22	0.09	0.01	0.00	0.00 CMS
RUNOFF	2.239	1.944	2.411	3.847	17.150	17.336	41.316	6.845	1.248	0.375	0.141	0.021	94.873 MCM

MOMENTARY PEAK 94.12 CMS, AT 6.42 M (A.D), AT 24.00 HOURS, ON OCT 10, 1983

RUNOFF YIELD 23.44 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 735.31 LITERS/SECOND/SQUARE KM

WATER YEAR 1983

MUN RIVER BASIN

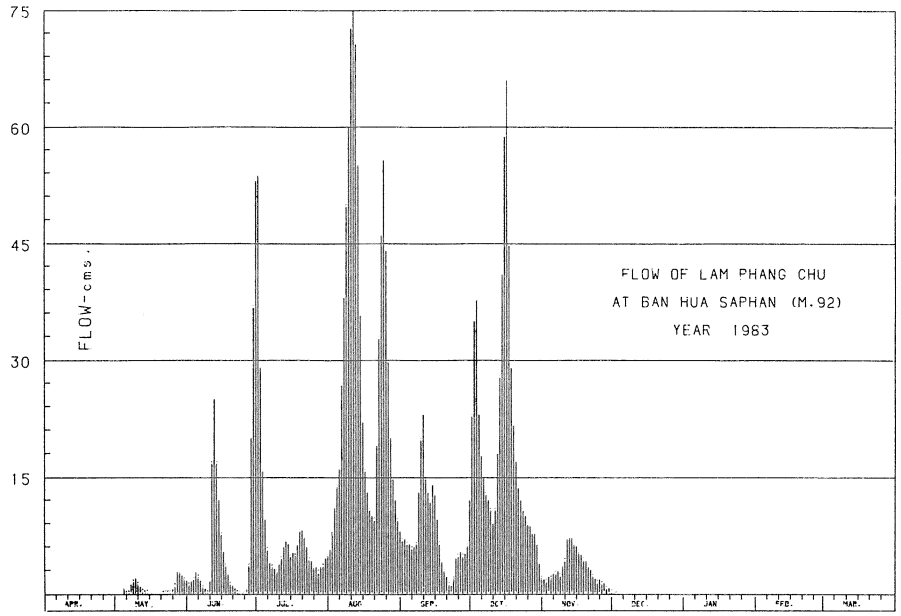
LAM PHANG CHU AT BAN HUA SAPHAN, BURI RAM (M.92)

LOCATION	LAT. 15°-32'-57" N., LONG. 103°-04'-20" E., ON RIGHT BANK EAST OF WAT THEP RANG SAN AT BAN HUA SAPHAN, AMPHOE PHUTTHAISONG, BURI RAM.
DRAINAGE AREA	1,094 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM	+0.00 M.(A.D.)
BENCH MARK	B.M.-H.D.
LOCATION	ABOUT 80 METERS FROM THE GAGE SITE.
ELEVATION	+7.958 M (A.D.)
GAGE READING FREQUENCY	5-TIME DAILY READINGS AT 06.00, 09.00, 12.00, 15.00 AND 18.00 HOURS.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 5 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1978 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1978 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1978 TO DATE.
STABILITY OF CHANNEL REGIMES	FAIRLY STABLE.
OVERBANK FLOW CONDITIONS	OVERBANK FLOW STARTS AT ELEVATION +3.59 M.(A.D.) AND IS INCLUDED.
GENERAL DESCRIPTION	RECORDS GOOD. STAGE-DISCHARGE RELATION DEFINED BY 147 DISCHARGE MEASUREMENTS MADE IN 1983.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.75	0.58	1.52	3.72	1.92	2.04	0.82	3.90	3.66	3.50	3.35	3.06	
2	0.75	0.58	1.54	3.33	2.07	2.03	0.84	4.00	3.62	3.50	3.35	3.05	
3	0.74	1.09	1.60	2.68	2.24	2.01	0.89	4.15	3.55	3.49	3.34	3.04	
4	0.74	1.41	1.67	2.21	2.39	1.98	4.20	4.26	3.53	3.48	3.33	3.04	
5	0.73	1.33	1.64	1.95	2.50	1.96	4.65	4.30	3.55	3.48	3.32	3.03	
6	0.72	1.34	1.55	1.78	2.95	1.95	4.72	4.27	3.57	3.48	3.32	3.03	
7	0.72	1.49	1.46	1.76	3.30	1.99	4.60	4.24	3.59	3.47	3.31	3.02	
8	0.71	1.57	1.39	1.71	3.62	2.33	4.48	4.19	3.60	3.46	3.30	3.02	
9	0.71	1.59	1.35	1.69	3.87	2.66	4.35	4.18	3.60	3.46	3.29	3.01	
10	0.70	1.53	1.54	1.76	4.18	2.78	4.27	4.14	3.60	3.45	3.28	3.00	
11	0.69	1.44	2.53	1.85	4.29	2.63	5.60	4.08	3.61	3.44	3.27	2.98	
12	0.68	1.40	2.86	1.95	4.22	2.45	6.21	4.07	3.61	3.44	3.26	2.97	
13	0.68	1.35	2.71	2.04	3.98	2.40	6.71	4.03	3.60	3.44	3.26	2.96	
14	0.67	1.36	2.40	1.98	3.55	2.53	6.61	3.96	3.60	3.43	3.25	2.95	
15	0.67	1.29	2.09	1.87	3.01	2.47	6.51	3.93	3.60	3.43	3.24	2.94	
16	0.66	1.21	1.90	1.89	2.67	2.21	6.45	3.89	3.59	3.42	3.23	2.93	
17	0.65	1.17	1.77	1.88	2.47	2.01	6.54	3.86	3.59	3.42	3.22	2.92	
18	0.65	1.24	1.64	1.97	2.35	1.79	6.53	3.81	3.58	3.42	3.21	2.92	
19	0.64	1.27	1.53	2.12	2.26	1.71	6.42	3.77	3.58	3.42	3.20	2.93	
20	0.64	1.30	1.46	2.11	2.23	1.61	6.30	3.74	3.57	3.42	3.19	2.93	
21	0.63	1.33	1.39	2.07	2.62	1.52	6.19	3.70	3.56	3.41	3.17	2.93	
22	0.62	1.34	1.34	1.95	3.14	1.46	6.08	3.67	3.56	3.41	3.15	2.91	
23	0.61	1.33	1.32	1.84	3.50	1.61	5.88	3.66	3.55	3.40	3.14	2.91	
24	0.61	1.33	1.31	1.80	3.77	1.83	5.40	3.66	3.54	3.40	3.12	2.90	
25	0.60	1.37	1.29	1.75	3.75	1.88	4.73	3.65	3.53	3.39	3.10	2.90	
26	0.60	1.51	1.36	1.73	3.35	1.90	4.35	3.65	3.52	3.39	3.10	2.90	
27	0.60	1.67	1.77	1.70	2.89	1.88	4.13	3.64	3.52	3.38	3.09	2.88	
28	0.59	1.70	2.65	1.73	2.61	1.88	3.98	3.65	3.52	3.37	3.08	2.88	
29	0.58	1.63	3.25	1.77	2.40	1.97	3.92	3.65	3.51	3.37	3.08	2.87	
30	0.58	1.60	3.68	1.83	2.22	2.30	3.85	3.67	3.51	3.36		2.86	
31		1.55		1.88	2.10		3.82		3.50	3.36		2.86	
MEAN	0.66	1.35	1.85	2.01	2.98	2.06	4.84	3.91	3.57	3.43	3.23	2.95	
MAX	0.75	1.70	3.68	3.72	4.29	2.78	6.71	4.30	3.66	3.50	3.35	3.06	6.71
MIN	0.58	0.58	1.29	1.69	1.92	1.46	0.82	3.64	3.50	3.36	3.08	2.86	0.58

ANNUAL MAX MOMENTARY GAGE HEIGHT 4.29 M (A.D), AT 6.00 HOURS, ON AUG 11, 1983
ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D), RIVER BED -1.92 M (A.D)
LEFT BANK ELEVATION 3.58 M (A.D)
RIGHT BANK ELEVATION 5.33 M (A.D), DRAINAGE AREA 1094 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.00	0.00	1.46	54.00	5.68	7.16	23.00	1.86	0.42	0.01	0.01	0.00	
2	0.00	0.00	1.62	29.00	7.92	7.02	35.00	1.86	0.26	0.01	0.00	0.00	
3	0.00	0.01	2.10	16.00	11.00	6.74	38.00	2.20	0.24	0.01	0.00	0.00	
4	0.00	0.76	2.80	9.54	14.00	6.36	23.00	2.30	0.24	0.01	0.00	0.00	
5	0.00	0.42	2.50	6.00	16.00	6.12	18.00	2.60	0.22	0.01	0.00	0.00	
6	0.00	0.46	1.70	3.98	27.00	6.00	15.00	2.90	0.18	0.01	0.00	0.00	
7	0.00	1.24	1.06	3.76	38.00	6.66	13.00	2.90	0.14	0.01	0.00	0.00	
8	0.00	1.86	0.66	3.21	50.00	13.00	12.00	2.70	0.14	0.01	0.00	0.00	
9	0.00	2.02	0.50	3.10	60.00	20.00	11.00	3.54	0.12	0.01	0.00	0.00	
10	0.00	1.54	1.62	3.76	73.00	23.00	8.98	4.56	0.09	0.01	0.00	0.00	
11	0.00	0.94	17.00	4.80	78.00	15.00	11.00	7.02	0.08	0.01	0.00	0.00	
12	0.00	0.70	25.00	6.00	71.00	13.00	18.00	7.44	0.07	0.01	0.00	0.00	
13	0.00	0.50	17.00	7.16	55.00	12.00	28.00	7.16	0.06	0.01	0.00	0.00	
14	0.00	0.54	12.00	6.36	36.00	14.00	41.00	6.60	0.07	0.01	0.00	0.00	
15	0.00	0.28	7.86	5.04	22.00	13.00	59.00	6.12	0.06	0.01	0.00	0.00	
16	0.00	0.12	5.40	5.28	16.00	9.54	66.00	5.64	0.06	0.01	0.00	0.00	
17	0.00	0.07	3.87	5.16	13.00	6.74	45.00	5.04	0.06	0.00	0.00	0.00	
18	0.00	0.18	2.50	6.24	11.00	4.09	29.00	4.68	0.04	0.00	0.00	0.00	
19	0.00	0.24	1.54	8.28	10.00	3.21	22.00	4.20	0.02	0.00	0.00	0.00	
20	0.00	0.30	1.06	8.14	9.82	2.20	17.00	3.87	0.02	0.00	0.00	0.00	
21	0.00	0.42	0.66	7.58	19.00	1.46	14.00	3.10	0.01	0.00	0.00	0.00	
22	0.00	0.46	0.46	6.00	33.00	1.06	12.00	2.50	0.01	0.00	0.00	0.00	
23	0.00	0.42	0.38	4.68	46.00	2.20	11.00	1.94	0.01	0.00	0.00	0.00	
24	0.00	0.42	0.34	4.20	56.00	4.56	10.00	1.78	0.01	0.01	0.00	0.00	
25	0.00	0.58	0.28	3.65	44.00	5.16	9.12	1.86	0.01	0.01	0.00	0.00	
26	0.00	1.38	0.54	3.43	30.00	5.40	8.70	1.62	0.01	0.01	0.00	0.00	
27	0.00	2.80	3.87	3.10	20.00	5.16	8.14	1.38	0.01	0.01	0.00	0.00	
28	0.00	3.10	20.00	3.43	15.00	5.16	7.72	1.00	0.01	0.01	0.00	0.00	
29	0.00	2.40	37.00	3.87	12.00	6.38	6.74	0.76	0.01	0.01	0.00	0.00	
30	0.00	2.10	53.00	4.56	9.68	12.00	3.87	0.58	0.01	0.01		0.00	
31		1.70		5.16	8.00		2.30		0.01	0.01		0.00	
TOTAL	0.00	27.96	225.78	244.47	917.10	243.38	626.57	101.71	2.70	0.24	0.01	0.00	2389.92 CMSDAY
MEAN	0.00	0.90	7.53	7.89	29.58	8.11	20.21	3.39	0.09	0.01	0.00	0.00	6.53 CMS
MAX	0.00	3.10	53.00	54.00	78.00	23.00	66.00	7.44	0.42	0.01	0.01	0.00	78.00 CMS
MIN	0.00	0.00	0.28	3.10	5.68	1.06	2.30	0.58	0.01	0.00	0.00	0.00	0.00 CMS
RUNOFF	0.000	2.416	19.507	21.122	79.237	21.028	54.136	8.788	0.233	0.021	0.001	0.000	206.489 MCM

MOMENTARY PEAK 78.00 CMS, AT 78.00 M (A.D), AT 6.00 HOURS, ON AUG 11, 1983

RUNOFF YIELD 5.97 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 71.30 LITERS/SECOND/SQUARE KM

WATER YEAR 1983

MUN RIVER BASIN

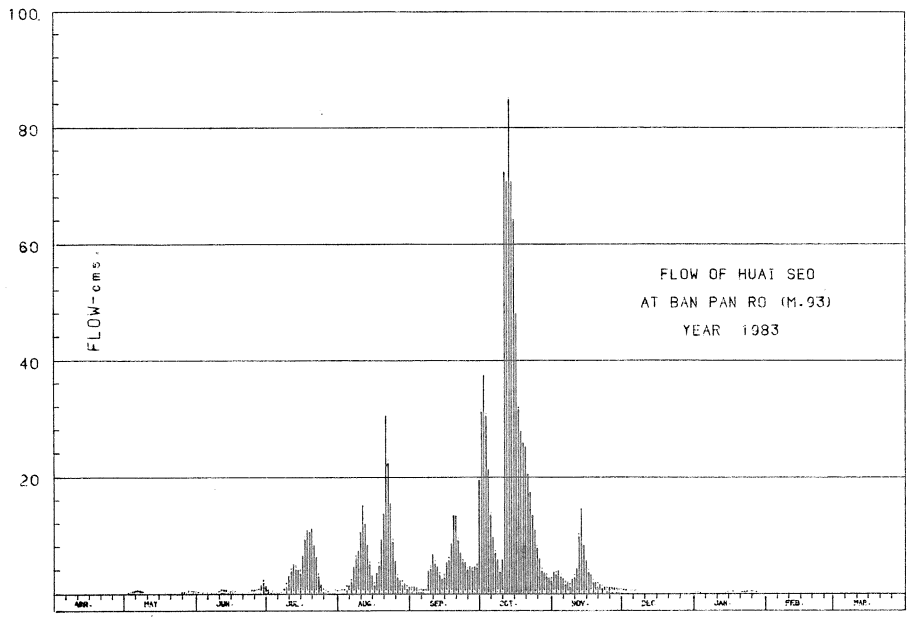
HUAI SEO AT BAN PAN RO, BURI RAM (M.93)

LOCATION	LAT. 14°-28'-24" N., LONG. 103°-06'-20" E., ON RIGHT BANK ABOUT 100 METERS FROM PRAKHON CHAI-SURIN HIGHWAY AT BAN PAN RO, AMPHOE BAN KRUAT, BURI RAM.
DRAINAGE AREA	329 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM	+0.00 M.(A.D.)
BENCH MARK	B.M.-H.D.
LOCATION	NEAR THE GAGE SITE.
ELEVATION	+4.571 M.(A.D.)
GAGE READING FREQUENCY	5-TIME DAILY READINGS AT 06.00, 09.00, 12.00, 15.00 AND 18.00 HOURS.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 5 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1978 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1978 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1978 TO DATE.
STABILITY OF CHANNEL REGIMES	FAIRLY STABLE.
OVERBANK FLOW CONDITIONS	OVERBANK FLOW STARTS AT ELEVATION +3.08 M.(A.D.) AND IS INCLUDED.
GENERAL DESCRIPTION	RECORDS FAIR. STAGE-DISCHARGE RELATION DEFINED BY 29 DISCHARGE MEASUREMENTS MADE IN 1983.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.17	0.21	0.30	0.44	0.41	0.60	3.08	1.15	0.47	0.27	0.23	0.02	
2	0.16	0.31	0.29	0.38	0.44	0.61	3.22	1.17	0.43	0.31	0.20	0.02	
3	0.15	0.33	0.27	0.39	0.47	0.56	3.06	1.20	0.40	0.25	0.20	0.02	
4	0.14	0.34	0.27	0.35	0.66	0.46	2.73	1.09	0.39	0.21	0.20	0.02	
5	0.14	0.39	0.27	0.34	0.67	0.48	2.31	0.93	0.40	0.33	0.18	0.01	
6	0.13	0.41	0.26	0.32	0.90	0.46	1.97	0.83	0.40	0.30	0.15	0.01	
7	0.08	0.40	0.28	0.32	1.31	0.47	1.72	0.80	0.37	0.29	0.16	0.01	
8	0.03	0.35	0.27	0.51	1.59	1.19	1.49	0.74	0.36	0.20	0.13	-0.44	
9	0.01	0.34	0.28	0.77	1.71	1.33	1.24	0.90	0.35	0.18	0.13	-0.44	
10	0.01	0.33	0.36	1.01	2.09	1.62	1.49	1.06	0.34	0.18	0.15	-0.44	
11	-0.22	0.33	0.44	1.25	2.40	1.47	3.75	1.25	0.33	0.17	0.15	-0.44	
12	-0.22	0.32	0.45	1.38	2.21	1.31	3.73	2.02	0.34	0.18	0.17	-0.44	
13	-0.22	0.31	0.43	1.34	1.84	1.13	3.86	2.36	0.35	0.19	0.11	-0.44	
14	-0.22	0.31	0.40	1.22	1.45	0.91	3.73	1.88	0.35	0.25	0.07	-0.44	
15	-0.22	0.30	0.36	1.22	1.03	1.07	3.66	1.47	0.32	0.32	0.06	-0.44	
16	-0.22	0.21	0.39	1.59	0.79	1.42	3.43	1.23	0.27	0.34	0.08	-0.44	
17	-0.22	0.20	0.34	1.98	1.11	1.55	3.09	1.06	0.23	0.32	0.04	-0.44	
18	-0.22	0.32	0.34	2.08	1.42	1.86	2.97	0.89	0.25	0.30	0.08	-0.44	
19	-0.22	0.26	0.34	2.11	1.93	2.31	2.92	0.79	0.20	0.32	0.05	-0.44	
20	-0.22	0.26	0.34	2.10	2.33	2.27	2.88	0.77	0.21	0.34	0.07	-0.44	
21	-0.22	0.24	0.37	1.88	3.05	1.96	2.72	0.71	0.25	0.29	0.09	-0.44	
22	-0.22	0.23	0.30	1.56	2.80	1.66	2.54	0.66	0.27	0.33	0.05	-0.44	
23	-0.22	0.22	0.34	1.10	2.42	1.50	2.31	0.60	0.24	0.33	0.04	-0.44	
24	-0.22	0.16	0.45	0.71	1.94	1.43	2.08	0.57	0.21	0.34	0.06	-0.44	
25	-0.22	0.33	0.44	0.50	1.46	1.29	1.83	0.57	0.21	0.34	0.06	-0.44	
26	-0.22	0.31	0.47	0.43	1.06	1.32	1.52	0.54	0.19	0.34	0.02	-0.44	
27	-0.22	0.31	0.50	0.34	0.86	1.28	1.27	0.55	0.18	0.30	0.01	-0.44	
28	-0.22	0.38	0.68	0.33	0.85	1.31	1.12	0.51	0.17	0.26	0.02	-0.44	
29	-0.22	0.36	0.88	0.47	0.74	1.38	1.09	0.48	0.22	0.22	0.02	-0.44	
30	-0.22	0.34	0.65	0.46	0.65	2.65	0.95	0.48	0.25	0.22		-0.44	
31		0.35		0.40	0.60		0.96		0.26	0.23		-0.44	
MEAN	-0.11	0.31	0.39	0.94	1.39	1.30	2.41	0.98	0.30	0.27	0.10	-0.34	
MAX	0.17	0.41	0.88	2.11	3.05	2.65	3.86	2.36	0.47	0.34	0.23	0.02	3.86
MIN	-0.22	0.16	0.26	0.32	0.41	0.46	0.95	0.48	0.17	0.17	0.01	-0.44	-0.44

ANNUAL MAX MOMENTARY GAGE HEIGHT 3.95 M (A.D), AT 6.00 HOURS, ON OCT 13, 1983
ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D), RIVER BED -0.44 M (A.D)
LEFT BANK ELEVATION 3.07 M (A.D)
RIGHT BANK ELEVATION 3.54 M (A.D), DRAINAGE AREA 329 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.00	0.03	0.30	0.72	0.63	1.20	31.68	3.75	0.81	0.21	0.09	0.00	
2	0.00	0.33	0.27	0.54	0.72	1.24	37.52	3.85	0.69	0.33	0.00	0.00	
3	0.00	0.39	0.21	0.57	0.81	1.08	30.96	4.00	0.60	0.15	0.00	0.00	
4	0.00	0.42	0.21	0.45	1.44	0.78	21.32	3.45	0.57	0.03	0.00	0.00	
5	0.00	0.57	0.21	0.42	1.48	0.84	13.94	2.65	0.60	0.39	0.00	0.00	
6	0.00	0.63	0.18	0.36	2.50	0.78	9.70	2.15	0.60	0.30	0.00	0.00	
7	0.00	0.60	0.24	0.36	4.66	0.81	7.44	2.00	0.51	0.27	0.00	0.00	
8	0.00	0.45	0.21	0.93	6.53	3.95	5.83	1.76	0.48	0.00	0.00	0.00	
9	0.00	0.42	0.24	1.88	7.37	4.78	4.24	2.50	0.45	0.00	0.00	0.00	
10	0.00	0.39	0.48	3.05	11.08	6.74	5.83	3.30	0.42	0.00	0.00	0.00	
11	0.00	0.39	0.72	4.30	15.20	5.69	72.85	4.30	0.39	0.00	0.00	0.00	
12	0.00	0.36	0.75	5.08	12.54	4.66	70.79	10.24	0.42	0.00	0.00	0.00	
13	0.00	0.33	0.69	4.84	8.40	3.65	85.20	14.64	0.45	0.00	0.00	0.00	
14	0.00	0.33	0.60	4.12	5.55	2.55	70.79	8.80	0.45	0.15	0.00	0.00	
15	0.00	0.30	0.48	4.12	3.15	3.35	64.30	5.69	0.36	0.36	0.00	0.00	
16	0.00	0.03	0.57	6.53	1.96	5.34	48.14	4.18	0.21	0.42	0.00	0.00	
17	0.00	0.00	0.42	9.80	3.55	6.25	32.04	3.30	0.09	0.36	0.00	0.00	
18	0.00	0.36	0.42	10.96	5.34	8.60	27.90	2.45	0.15	0.30	0.00	0.00	
19	0.00	0.18	0.42	11.32	9.30	13.94	26.40	1.96	0.00	0.36	0.00	0.00	
20	0.00	0.18	0.42	11.20	14.22	13.38	25.24	1.88	0.03	0.42	0.00	0.00	
21	0.00	0.12	0.51	8.80	30.60	9.60	21.08	1.64	0.15	0.27	0.00	0.00	
22	0.00	0.09	0.30	6.32	23.00	7.02	17.44	1.44	0.21	0.39	0.00	0.00	
23	0.00	0.06	0.42	3.50	15.52	5.90	13.94	1.20	0.12	0.39	0.00	0.00	
24	0.00	0.00	0.75	1.64	9.40	5.41	10.96	1.11	0.03	0.42	0.00	0.00	
25	0.00	0.39	0.72	0.90	5.62	4.54	8.30	1.11	0.03	0.42	0.00	0.00	
26	0.00	0.33	0.81	0.69	3.30	4.72	6.04	1.02	0.00	0.42	0.00	0.00	
27	0.00	0.33	0.90	0.42	2.30	4.48	4.42	1.05	0.00	0.30	0.00	0.00	
28	0.00	0.54	1.52	0.39	2.25	4.66	3.60	0.93	0.00	0.18	0.00	0.00	
29	0.00	0.48	2.40	0.81	1.76	5.08	3.45	0.84	0.06	0.06	0.00	0.00	
30	0.00	0.42	1.40	0.78	1.40	19.50	2.75	0.84	0.15	0.06		0.00	
31		0.45		0.60	1.20		2.80		0.18	0.09		0.00	
TOTAL	0.00	9.90	17.77	106.40	212.78	160.52	786.89	98.03	9.21	7.05	0.09	0.00	1408.64 CMSDAY
MEAN	0.00	0.32	0.59	3.43	6.86	5.35	25.38	3.27	0.30	0.23	0.00	0.00	3.85 CMS
MAX	0.00	0.63	2.40	11.32	30.60	19.50	85.20	14.64	0.81	0.42	0.09	0.00	85.20 CMS
MIN	0.00	0.00	0.18	0.36	0.63	0.78	2.75	0.84	0.00	0.00	0.00	0.00	0.00 CMS
RUNOFF	0.000	0.855	1.535	9.193	18.384	13.869	67.987	8.470	0.796	0.609	0.008	0.000	121.706 MCM

MOMENTARY PEAK 96.70 CMS, AT 3.95 M (A.D), AT 6.00 HOURS, ON OCT 13, 1983
RUNOFF YIELD 11.70 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 293.92 LITERS/SECOND/SQUARE KM

WATER YEAR 1983

MUN RIVER BASIN

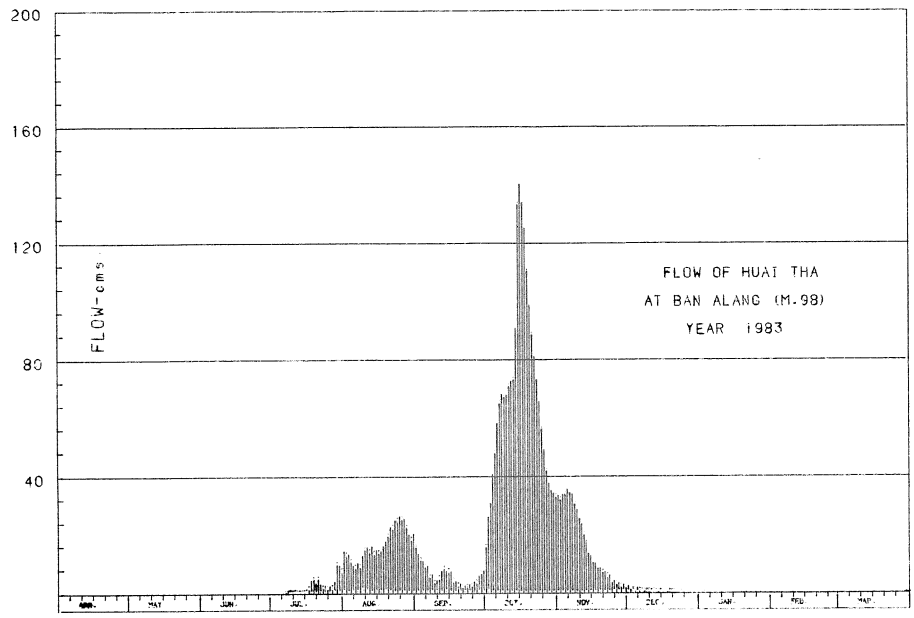
HUAI THA AT BAN ALANG, SI SA KET (M.98)

LOCATION	LAT. 14°-52′-39″ N., LONG. 104°-26′-16″ E., ON LEFT BANK AT THE BRIDGE OF SI SA KET-KANTHARALAK HIGHWAY NEAR GUIDEPOST 27+734, TAMBON TAM YAE, AMPHOE MUANG, SI SA KET.
DRAINAGE AREA	1,092 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM	+0.00 M.(A.D.)
BENCH MARK	B.M.-H.D.
LOCATION	ON RIGHT BANK AT THE ABUTMENT OF THE BRIDGE.
ELEVATION	+8.061 M.(A.D.)
GAGE READING FREQUENCY	3- 5 TIME DAILY READINGS AT 06.00, 09.00, 12.00, 15.00 AND 18.00 HOURS.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 3-5 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1978 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1979 - 1981.
RATED BY FLOAT	-
RATED BY CURRENT METER	1979 - 1981.
STABILITY OF CHANNEL REGIMES	STABLE.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS FAIR. STAGE-DISCHARGE RELATION DEFINED BY 105 DISCHARGE MEASUREMENTS MADE DURING 1979 -1981.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.08	0.08	0.06	0.08	2.10	2.25	2.25	3.37	0.90	0.54	0.21	0.15	
2	0.07	0.05	0.06	0.08	2.07	2.04	2.88	3.33	0.85	0.54	0.21	0.15	
3	0.06	0.05	0.05	0.09	2.03	1.94	3.25	3.39	0.84	0.53	0.20	0.15	
4	0.07	0.05	0.05	0.09	1.88	1.81	3.83	3.45	0.82	0.53	0.19	0.15	
5	0.06	0.06	0.04	0.11	1.66	1.71	4.29	3.51	0.80	0.53	0.15	0.15	
6	0.06	0.07	0.04	0.35	1.69	1.65	4.83	3.49	0.76	0.52	0.15	0.15	
7	0.06	0.06	0.06	0.62	1.75	1.36	5.22	3.40	0.74	0.51	0.20	0.15	
8	0.06	0.05	0.10	0.62	1.70	1.36	5.33	3.23	0.74	0.47	0.19	0.15	
9	0.06	0.05	0.11	0.65	1.99	1.16	5.32	3.05	0.74	0.43	0.19	0.15	
10	0.06	0.05	0.10	0.65	2.19	1.15	5.32	2.90	0.73	0.41	0.19	0.15	
11	0.06	0.05	0.13	0.67	2.19	1.32	5.47	2.72	0.70	0.39	0.19	0.15	
12	0.06	0.05	0.10	0.65	2.14	1.47	5.51	2.53	0.70	0.38	0.19	0.15	
13	0.06	0.05	0.08	0.64	2.21	1.65	5.56	2.34	0.70	0.37	0.18	0.15	
14	0.06	0.05	0.07	0.66	2.11	1.47	6.14	2.11	0.70	0.36	0.18	0.15	
15	0.06	0.05	0.07	0.65	2.13	1.56	6.98	1.98	0.70	0.35	0.18	0.15	
16	0.06	0.05	0.05	0.73	2.12	1.45	7.07	1.85	0.70	0.35	0.19	0.15	
17	0.05	0.15	0.11	0.91	2.10	1.23	6.99	1.73	0.70	0.35	0.18	0.15	
18	0.05	0.08	0.09	1.15	2.28	1.12	6.88	1.66	0.70	0.35	0.18	0.15	
19	0.05	0.06	0.14	1.27	2.32	1.06	6.61	1.57	0.69	0.35	0.18	0.15	
20	0.05	0.06	0.10	1.05	2.50	1.01	6.34	1.51	0.67	0.34	0.18	0.15	
21	0.05	0.05	0.07	1.28	2.65	0.95	6.10	1.44	0.70	0.33	0.17	0.15	
22	0.05	0.05	0.06	1.01	2.70	0.92	5.84	1.38	0.68	0.33	0.17	0.15	
23	0.05	0.07	0.08	0.94	2.80	0.98	5.57	1.32	0.65	0.29	0.17	0.15	
24	0.05	0.11	0.07	0.95	2.86	0.99	5.21	1.21	0.63	0.28	0.17	0.15	
25	0.06	0.08	0.09	0.91	2.90	1.02	4.77	1.14	0.61	0.28	0.17	0.15	
26	0.05	0.07	0.17	0.91	2.89	1.10	4.31	1.10	0.59	0.30	0.17	0.15	
27	0.05	0.07	0.18	0.97	2.84	1.16	3.95	1.06	0.57	0.29	0.17	0.15	
28	0.05	0.07	0.13	1.11	2.70	1.30	3.65	1.01	0.56	0.28	0.16	0.15	
29	0.05	0.07	0.11	1.78	2.48	1.47	3.54	0.98	0.56	0.27	0.16	0.15	
30	0.05	0.08	0.10	1.67	2.43	1.47	3.42	0.95	0.55	0.25		0.15	
31		0.07		1.58	2.50		3.40		0.54	0.24		0.15	
MEAN	0.06	0.06	0.09	0.80	2.29	1.37	5.03	2.16	0.69	0.38	0.18	0.15	
MAX	0.08	0.15	0.18	1.78	2.90	2.25	7.07	3.51	0.90	0.54	0.21	0.15	7.07
MIN	0.05	0.05	0.04	0.08	1.66	0.92	2.25	0.95	0.54	0.24	0.15	0.15	0.04

ANNUAL MAX MOMENTARY GAGE HEIGHT 7.08 M (A.D), AT 12.00 HOURS, ON OCT 16, 1983
ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D), RIVER BED -0.03 M (A.D)
LEFT BANK ELEVATION 8.32 M (A.D)
RIGHT BANK ELEVATION 9.50 M (A.D), DRAINAGE AREA 1092 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.00	0.00	0.00	0.00	14.50	16.75	16.75	33.55	2.60	0.76	0.11	0.05	
2	0.00	0.00	0.00	0.00	14.05	13.60	26.20	32.95	2.30	0.76	0.11	0.05	
3	0.00	0.00	0.00	0.00	13.45	12.40	31.75	33.85	2.24	0.72	0.10	0.05	
4	0.00	0.00	0.00	0.00	11.80	11.10	40.77	34.75	2.12	0.72	0.09	0.05	
5	0.00	0.00	0.00	0.01	9.60	10.10	48.83	35.65	2.00	0.72	0.05	0.05	
6	0.00	0.00	0.00	0.30	9.90	9.50	58.27	35.35	1.80	0.68	0.05	0.05	
7	0.00	0.00	0.00	1.10	10.50	6.60	65.90	34.00	1.70	0.64	0.10	0.05	
8	0.00	0.00	0.00	1.10	10.00	6.60	68.25	31.45	1.70	0.54	0.09	0.05	
9	0.00	0.00	0.01	1.25	12.90	4.60	68.00	28.75	1.70	0.46	0.09	0.05	
10	0.00	0.00	0.00	1.25	15.85	4.50	68.00	26.50	1.65	0.42	0.09	0.05	
11	0.00	0.00	0.03	1.35	15.85	6.20	71.75	23.80	1.50	0.38	0.09	0.05	
12	0.00	0.00	0.00	1.25	15.10	7.70	72.75	20.95	1.50	0.36	0.09	0.05	
13	0.00	0.00	0.00	1.20	16.15	9.50	74.00	18.10	1.50	0.34	0.08	0.05	
14	0.00	0.00	0.00	1.30	14.65	7.70	90.90	14.65	1.50	0.32	0.08	0.05	
15	0.00	0.00	0.00	1.25	14.95	8.60	134.10	12.80	1.50	0.30	0.08	0.05	
16	0.00	0.00	0.00	1.65	14.80	7.50	140.40	11.50	1.50	0.30	0.09	0.05	
17	0.00	0.05	0.01	2.66	14.50	5.30	134.80	10.30	1.50	0.30	0.08	0.05	
18	0.00	0.00	0.00	4.50	17.20	4.20	125.20	9.60	1.50	0.30	0.08	0.05	
19	0.00	0.00	0.04	5.70	17.80	3.68	111.05	8.70	1.45	0.30	0.08	0.05	
20	0.00	0.00	0.00	3.60	20.50	3.28	98.80	8.10	1.35	0.28	0.08	0.05	
21	0.00	0.00	0.00	5.80	22.75	2.90	89.50	7.40	1.50	0.26	0.07	0.05	
22	0.00	0.00	0.00	3.28	23.50	2.72	81.20	6.80	1.40	0.26	0.07	0.05	
23	0.00	0.00	0.00	2.84	25.00	3.08	74.25	6.20	1.25	0.19	0.07	0.05	
24	0.00	0.01	0.00	2.90	25.90	3.14	65.70	5.10	1.15	0.18	0.07	0.05	
25	0.00	0.00	0.00	2.66	26.50	3.36	57.22	4.40	1.05	0.18	0.07	0.05	
26	0.00	0.00	0.07	2.66	26.35	4.00	49.18	4.00	0.96	0.20	0.07	0.05	
27	0.00	0.00	0.08	3.02	25.60	4.60	42.88	3.68	0.88	0.19	0.07	0.05	
28	0.00	0.00	0.03	4.10	23.50	6.00	37.75	3.28	0.84	0.18	0.06	0.05	
29	0.00	0.00	0.01	10.80	20.20	7.70	36.10	3.08	0.84	0.17	0.06	0.05	
30	0.00	0.00	0.00	9.70	19.45	7.70	34.30	2.90	0.80	0.15		0.05	
31		0.00		8.80	20.50		34.00		0.76	0.14		0.05	
TOTAL	0.00	0.06	0.28	86.03	543.30	204.61	2148.55	512.14	46.04	11.70	2.32	1.55	3556.58 CMSDAY
MEAN	0.00	0.00	0.01	2.78	17.53	6.82	69.31	17.07	1.49	0.38	0.08	0.05	9.72 CMS
MAX	0.00	0.05	0.08	10.80	26.50	16.75	140.40	35.65	2.60	0.76	0.11	0.05	140.40 CMS
MIN	0.00	0.00	0.00	0.00	9.60	2.72	16.75	2.90	0.76	0.14	0.05	0.05	0.00 CMS
RUNOFF	0.000	0.005	0.024	7.433	46.941	17.678	185.635	44.249	3.978	1.011	0.200	0.134	307.289 MCM

MOMENTARY PEAK 141.10 CMS, AT 7.08 M (A.D). AT 12.00 HOURS, ON OCT 16, 1983

RUNOFF YIELD 8.90 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 129.21 LITERS/SECOND/SQUARE KM

WATER YEAR 1983

MUN RIVER BASIN

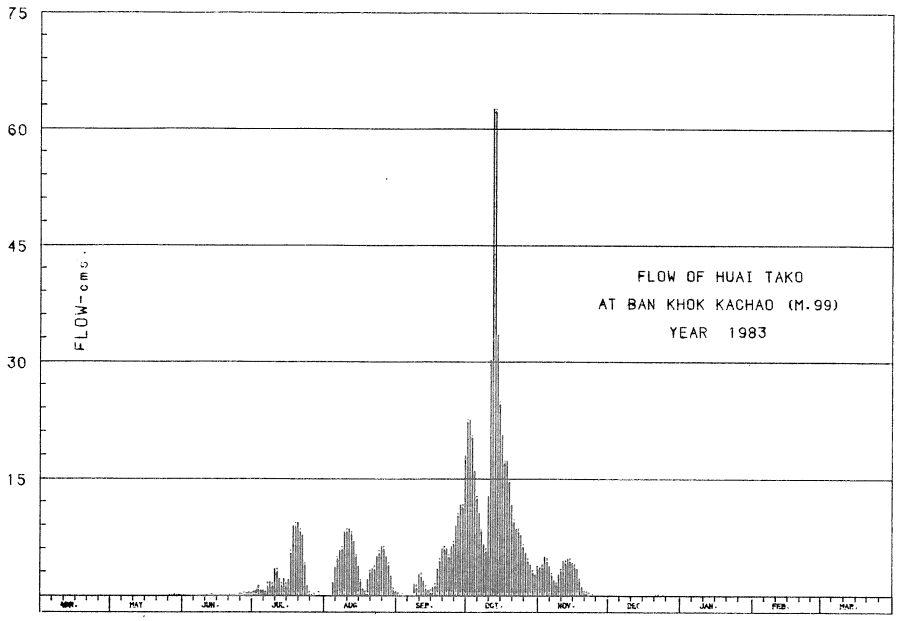
HUAI TAKO AT BAN KHOK KACHAO, BURIRAM (M.99)

LOCATION	LAT. 14°-36'-22" N., LONG. 103°-06'-30" E., ON LEFT BANK AT THE BRIDGE OF CHOKCHAI-DET UDOM HIGHWAY NEAR GUIDEPOST 103-104 AND ABOUT 2.5 KILOMETERS FROM AMPHOE PRAKHON CHAI, BAN KHOK KACHAO, AMPHOE PRAKHON CHAI, BURI RAM.
DRAINAGE AREA	88 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM	+0.00 M.(A.D.)
BENCH MARK	B.M. OF HIGHWAYS DEPT.
LOCATION	ON RIGHT BANK AT THE ABUTMENT OF THE BRIDGE.
ELEVATION	+3.606 M..D.
GAGE READING FREQUENCY	5-TIME DAILY READINGS AT 06.00, 09.00, 12.00, 15.00 AND 18.00 HOURS.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 5 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1979 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1980 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1980 TO DATE.
STABILITY OF CHANNEL REGIMES	STABLE.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS FAIR. FLOW EFFECTED BY LAM CHI NOI DAM. STAGE-DISCHARGE RELATION DEFINED BY 40 DISCHARGE MEASUREMENTS MADE IN 1983.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.07	0.63	0.80	1.19	1.00	1.07	2.00	1.58	0.82	0.58	0.53	-0.04	
2	0.07	0.63	0.78	1.30	1.05	1.07	2.00	1.60	0.76	0.57	0.49	-0.04	
3	0.07	0.63	0.77	1.41	1.00	0.98	1.97	1.64	0.73	0.56	0.44	-0.04	
4	0.07	0.62	0.78	1.32	1.49	0.93	1.90	1.63	0.70	0.54	0.41	-0.04	
5	0.07	0.63	0.77	1.31	1.58	0.93	1.84	1.59	0.70	0.54	0.33	-0.04	
6	0.07	0.64	0.76	1.27	1.64	0.91	1.80	1.54	0.68	0.53	0.22	-0.04	
7	0.07	0.63	0.71	1.45	1.67	0.95	1.75	1.48	0.75	0.52	0.16	-0.04	
8	0.07	0.63	0.76	1.46	1.69	1.43	1.70	1.45	0.66	0.53	0.16	-0.04	
9	0.07	0.65	0.78	1.44	1.74	1.42	1.68	1.53	0.63	0.51	0.15	-0.04	
10	0.07	0.63	0.77	1.57	1.75	1.53	1.84	1.57	0.62	0.53	0.15	-0.04	
11	0.07	0.63	0.87	1.57	1.75	1.54	2.10	1.62	0.61	0.58	0.13	-0.04	
12	0.07	0.62	0.88	1.50	1.74	1.47	2.45	1.62	0.61	0.63	0.13	-0.04	
13	0.07	0.61	0.89	1.45	1.71	1.41	2.45	1.63	0.60	0.63	0.12	-0.04	
14	0.07	0.58	0.83	1.50	1.65	1.32	2.14	1.63	0.59	0.61	0.09	-0.04	
15	0.07	0.57	0.81	1.44	1.59	1.33	2.03	1.61	0.59	0.60	0.06	-0.04	
16	0.07	0.54	0.81	1.49	1.49	1.38	1.97	1.60	0.57	0.59	0.05	-0.04	
17	0.07	0.53	0.82	1.67	1.35	1.44	1.92	1.57	0.57	0.58	0.04	-0.04	
18	0.07	0.74	0.82	1.76	1.30	1.57	1.92	1.50	0.56	0.56	0.01	-0.04	
19	0.07	0.73	0.83	1.77	1.49	1.63	1.88	1.39	0.55	0.55	0.04	-0.04	
20	0.07	0.71	0.87	1.77	1.56	1.68	1.82	1.29	0.73	0.53	0.03	-0.04	
21	0.07	0.68	0.87	1.75	1.57	1.69	1.78	1.26	0.82	0.53	0.03	-0.04	
22	0.07	0.65	0.87	1.73	1.59	1.68	1.75	1.10	0.85	0.52	0.02	-0.04	
23	0.07	0.63	0.87	1.61	1.64	1.65	1.75	1.03	0.86	0.53	0.02	-0.04	
24	0.07	0.62	0.89	1.41	1.67	1.69	1.73	0.93	0.81	0.52	0.01	-0.04	
25	0.07	0.78	0.92	1.24	1.69	1.71	1.70	0.86	0.76	0.51	0.01	-0.04	
26	0.07	0.84	0.96	1.00	1.69	1.76	1.66	0.83	0.75	0.50	0.01	-0.04	
27	0.07	0.86	1.10	1.05	1.64	1.80	1.63	0.80	0.70	0.49	0.05	-0.04	
28	0.07	0.88	1.01	1.10	1.61	1.82	1.60	0.79	0.67	0.47	0.04	-0.04	
29	0.07	0.87	1.09	1.19	1.52	1.82	1.56	0.77	0.61	0.47	0.02	-0.04	
30	0.07	0.83	1.05	1.05	1.37	1.93	1.53	0.76	0.60	0.45		-0.04	
31		0.81		0.95	1.24		1.59		0.59	0.49		0.00	
MEAN	0.07	0.68	0.86	1.41	1.53	1.45	1.85	1.34	0.68	0.54	0.14	-0.04	
MAX	0.07	0.88	1.10	1.77	1.75	1.93	2.45	1.64	0.86	0.63	0.53	0.00	2.45
MIN	0.07	0.53	0.71	0.95	1.00	0.91	1.53	0.76	0.55	0.45	0.01	-0.04	-0.04

ANNUAL MAX MOMENTARY GAGE HEIGHT 2.56 M (A.D), AT 18.00 HOURS, ON OCT 12, 1983
ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D), RIVER BED -0.04 M (A.D)
LEFT BANK ELEVATION 3.48 M (A.D)
RIGHT BANK ELEVATION 3.48 M (A.D), DRAINAGE AREA 88 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.00	0.00	0.10	0.49	0.30	0.37	22.60	3.64	0.12	0.00	0.00	0.00	
2	0.00	0.00	0.06	0.60	0.35	0.37	22.60	4.00	0.02	0.00	0.00	0.00	
3	0.00	0.00	0.04	1.30	0.30	0.28	20.62	5.04	0.00	0.00	0.00	0.00	
4	0.00	0.00	0.06	0.72	2.10	0.23	16.00	4.78	0.00	0.00	0.00	0.00	
5	0.00	0.00	0.04	0.66	3.64	0.23	12.76	3.82	0.00	0.00	0.00	0.00	
6	0.00	0.00	0.02	0.57	5.04	0.21	10.60	2.92	0.00	0.00	0.00	0.00	
7	0.00	0.00	0.00	1.70	5.82	0.25	8.60	2.00	0.00	0.00	0.00	0.00	
8	0.00	0.00	0.02	1.80	6.34	1.50	6.60	1.70	0.00	0.00	0.00	0.00	
9	0.00	0.00	0.06	1.60	8.20	1.40	6.08	2.74	0.00	0.00	0.00	0.00	
10	0.00	0.00	0.04	3.46	8.60	2.74	12.76	3.46	0.00	0.00	0.00	0.00	
11	0.00	0.00	0.17	3.46	8.60	2.92	30.20	4.52	0.00	0.00	0.00	0.00	
12	0.00	0.00	0.18	2.20	8.20	1.90	62.60	4.52	0.00	0.00	0.00	0.00	
13	0.00	0.00	0.19	1.70	7.00	1.30	62.60	4.78	0.00	0.00	0.00	0.00	
14	0.00	0.00	0.13	2.20	5.30	0.72	33.48	4.78	0.00	0.00	0.00	0.00	
15	0.00	0.00	0.11	1.60	3.82	0.78	24.88	4.26	0.00	0.00	0.00	0.00	
16	0.00	0.00	0.11	2.10	2.10	1.08	20.62	4.00	0.00	0.00	0.00	0.00	
17	0.00	0.00	0.12	5.82	0.90	1.60	17.32	3.46	0.00	0.00	0.00	0.00	
18	0.00	0.00	0.12	9.00	0.60	3.46	17.32	2.20	0.00	0.00	0.00	0.00	
19	0.00	0.00	0.13	9.40	2.10	4.78	14.92	1.14	0.00	0.00	0.00	0.00	
20	0.00	0.00	0.17	9.40	3.28	6.08	11.68	0.59	0.00	0.00	0.00	0.00	
21	0.00	0.00	0.17	8.60	3.46	6.34	9.80	0.56	0.12	0.00	0.00	0.00	
22	0.00	0.00	0.17	7.80	3.82	6.08	8.60	0.40	0.15	0.00	0.00	0.00	
23	0.00	0.00	0.17	4.26	5.04	5.30	8.60	0.33	0.16	0.00	0.00	0.00	
24	0.00	0.00	0.19	1.30	5.82	6.34	7.80	0.23	0.11	0.00	0.00	0.00	
25	0.00	0.06	0.22	0.54	6.34	7.00	6.60	0.16	0.02	0.00	0.00	0.00	
26	0.00	0.14	0.26	0.30	6.34	9.00	5.56	0.13	0.00	0.00	0.00	0.00	
27	0.00	0.16	0.40	0.35	5.04	10.60	4.78	0.10	0.00	0.00	0.00	0.00	
28	0.00	0.18	0.31	0.40	4.26	11.68	4.00	0.08	0.00	0.00	0.00	0.00	
29	0.00	0.17	0.39	0.49	2.56	11.68	3.28	0.04	0.00	0.00	0.00	0.00	
30	0.00	0.13	0.35	0.35	1.02	17.98	2.74	0.02	0.00	0.00		0.00	
31		0.11		0.25	0.54		3.82		0.00	0.00		0.00	
TOTAL	0.00	0.95	4.50	84.42	126.83	124.20	500.42	70.40	0.70	0.00	0.00	0.00	912.42 CMSDAY
MEAN	0.00	0.03	0.15	2.72	4.09	4.14	16.14	2.35	0.02	0.00	0.00	0.00	2.49 CMS
MAX	0.00	0.18	0.40	9.40	8.60	17.98	62.60	5.04	0.16	0.00	0.00	0.00	62.60 CMS
MIN	0.00	0.00	0.00	0.25	0.30	0.21	2.74	0.02	0.00	0.00	0.00	0.00	0.00 CMS
RUNOFF	0.000	0.082	0.389	7.294	10.958	10.731	43.236	6.083	0.060	0.000	0.000	0.000	78.833 MCM

MOMENTARY PEAK 74.32 CMS, AT 2.56 M (A.D), AT 18.00 HOURS, ON OCT 12, 1983

RUNOFF YIELD 28.33 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 844.55 LITERS/SECOND/SQUARE KM

WATER YEAR 1983

MUN RIVER BASIN

HUAI SANENG AT BAN BU CHEK, SURIN (M.100)

LOCATION — LAT. 14°-37'-01" N., LONG. 103°-28'-44" E., ON LEFT BANK AT THE BRIDGE OF CHOKCHAI-DET UDOM HIGHWAY NEAR GUIDEPOST 145-146 AND ABOUT 8 KILOMETERS FROM AMPHOE PRASAT, TAMBON TA BAO, AMPHOE PRASAT, SURIN.

DRAINAGE AREA — 131 SQ.KM.

TYPE OF GAGE — STAFF GAGE.

ZERO GAGE AT BOTTOM — +0.00 M.(A.D.)

BENCH MARK — B.M.-HIGHWAYS DEPT.

LOCATION — ON RIGHT BANK AT THE ABUTMENT OF THE BRIDGE.

ELEVATION — +3.332 M.(A.D.)

GAGE READING FREQUENCY — 5-TIME DAILY READINGS AT 06.00, 09.00, 12.00, 15.00 AND 18.00 HOURS.

BASIS OF MEAN DAILY GAGE HEIGHT — ARITHMETIC MEAN OF 5 READINGS.

PERIOD OF AVAILABLE GAGE RECORDS — 1979 TO DATE.

RATING OPERATION

PERIOD OF RATING — 1979 TO DATE.

RATED BY FLOAT — -

RATED BY CURRENT METER — 1979 TO DATE.

STABILITY OF CHANNEL REGIMES — STABLE.

OVERBANK FLOW CONDITIONS — NO OVERBANK FLOW.

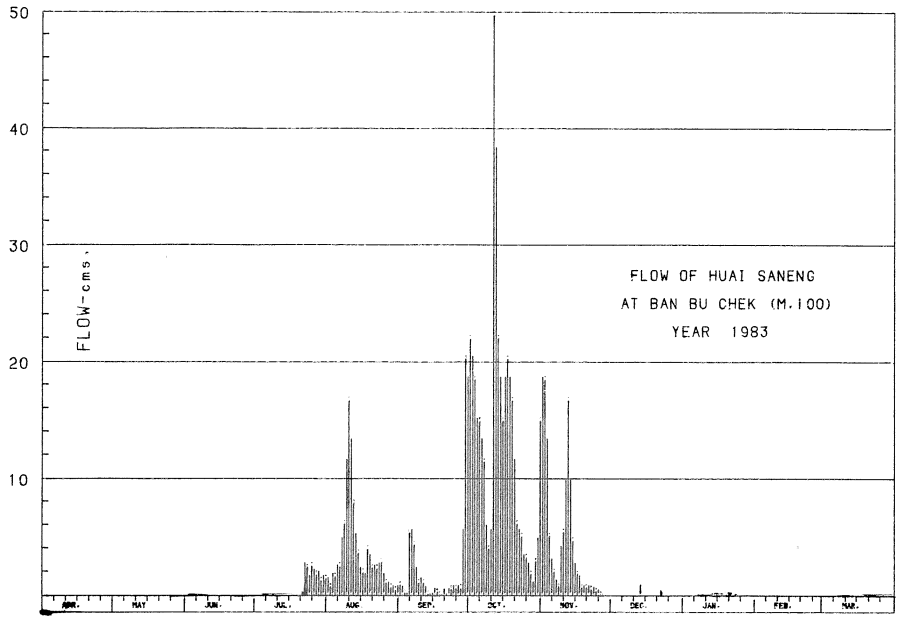
GENERAL DESCRIPTION — RECORDS GOOD. FLOW EFFECTED BY LOCAL RESIDENT WEIR. STAGE-DISCHARGE RELATION DEFINED BY 23 DISCHARGE MEASUREMENTS MADE IN 1983.

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GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.50	0.29	0.39	0.38	1.43	1.41	1.69	1.67	1.13	1.08	1.09	0.81	
2	0.50	0.39	0.38	0.37	1.40	1.37	1.68	1.67	1.05	1.14	1.08	0.80	
3	0.49	0.48	0.38	0.37	1.45	1.31	1.67	1.64	1.05	1.16	1.07	0.79	
4	0.48	0.47	0.38	0.36	1.45	1.26	1.65	1.57	1.11	1.17	1.06	0.78	
5	0.47	0.46	0.37	0.35	1.49	1.58	1.65	1.51	1.14	1.20	1.04	0.77	
6	0.47	0.47	0.27	0.35	1.50	1.58	1.64	1.47	1.16	1.22	1.03	0.76	
7	0.46	0.46	0.29	0.34	1.56	1.55	1.63	1.42	1.10	1.22	1.02	0.74	
8	0.45	0.45	0.30	0.34	1.60	1.48	1.59	1.40	1.02	1.23	1.01	0.73	
9	0.45	0.44	0.31	0.36	1.63	1.42	1.54	1.54	0.97	1.22	1.00	0.72	
10	0.44	0.43	0.31	0.36	1.66	1.43	1.58	1.58	1.14	1.22	0.99	0.71	
11	0.43	0.43	0.36	0.46	1.64	1.42	1.81	1.62	0.88	1.21	0.98	0.70	
12	0.42	0.42	0.35	0.48	1.61	1.37	1.73	1.66	0.99	1.22	0.97	0.69	
13	0.42	0.42	0.36	0.54	1.57	1.30	1.69	1.62	1.39	1.24	0.96	0.68	
14	0.42	0.41	0.36	0.54	1.53	1.25	1.67	1.56	1.19	1.25	0.95	0.67	
15	0.41	0.40	0.35	0.53	1.48	1.32	1.65	1.50	1.20	1.25	0.95	0.66	
16	0.40	0.40	0.34	0.73	1.47	1.34	1.67	1.46	1.19	1.25	0.94	0.65	
17	0.39	0.39	0.34	0.73	1.45	1.33	1.68	1.44	1.18	1.24	0.93	0.65	
18	0.39	0.41	0.33	0.72	1.54	1.28	1.67	1.39	1.17	1.23	0.92	0.64	
19	0.38	0.40	0.33	0.72	1.52	1.21	1.66	1.38	1.18	1.28	0.91	0.64	
20	0.38	0.40	0.32	0.72	1.49	1.33	1.63	1.39	1.19	1.27	0.90	0.63	
21	0.37	0.39	0.32	1.29	1.49	1.23	1.60	1.38	1.21	1.26	0.90	0.64	
22	0.37	0.39	0.32	1.50	1.49	1.34	1.58	1.37	1.33	1.25	0.89	0.63	
23	0.36	0.37	0.34	1.49	1.50	1.37	1.57	1.36	1.18	1.23	0.88	0.63	
24	0.36	0.36	0.34	1.44	1.51	1.38	1.52	1.34	1.15	1.20	0.87	0.62	
25	0.29	0.42	0.35	1.50	1.45	1.38	1.52	1.32	1.14	1.19	0.86	0.61	
26	0.30	0.42	0.38	1.47	1.42	1.38	1.50	1.28	1.16	1.17	0.85	0.61	
27	0.30	0.41	0.38	1.46	1.41	1.39	1.46	1.26	1.15	1.15	0.84	0.60	
28	0.30	0.41	0.38	1.46	1.40	1.58	1.41	1.22	1.09	1.14	0.83	0.59	
29	0.29	0.40	0.39	1.43	1.38	1.68	1.51	1.17	1.07	1.13	0.82	0.58	
30	0.29	0.40	0.38	1.44	1.36	1.67	1.56	1.12	1.02	1.12		0.57	
31		0.40		1.44	1.38		1.65		0.98	1.10		0.62	
MEAN	0.40	0.41	0.35	0.83	1.49	1.40	1.61	1.44	1.13	1.20	0.95	0.67	
MAX	0.50	0.48	0.39	1.50	1.66	1.68	1.81	1.67	1.39	1.28	1.09	0.81	1.81
MIN	0.29	0.29	0.27	0.34	1.36	1.21	1.41	1.12	0.88	1.08	0.82	0.57	0.27

ANNUAL MAX MOMENTARY GAGE HEIGHT 1.86 M (A.D), AT 18.00 HOURS, ON OCT 11, 1983
ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D), RIVER BED 0.14 M (A.D)
LEFT BANK ELEVATION 3.12 M (A.D)
RIGHT BANK ELEVATION 3.12 M (A.D), DRAINAGE AREA 131 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.00	0.00	0.00	0.00	1.54	1.18	22.24	18.72	0.00	0.00	0.00	0.00	
2	0.00	0.00	0.00	0.00	1.00	0.82	20.48	18.72	0.00	0.00	0.00	0.00	
3	0.00	0.00	0.00	0.00	1.90	0.46	18.72	13.44	0.00	0.00	0.00	0.00	
4	0.00	0.00	0.00	0.00	1.90	0.24	15.20	5.32	0.00	0.00	0.00	0.00	
5	0.00	0.00	0.00	0.00	2.62	5.68	15.20	3.16	0.00	0.00	0.00	0.00	
6	0.00	0.00	0.00	0.00	2.80	5.68	13.44	2.26	0.00	0.08	0.00	0.00	
7	0.00	0.00	0.00	0.00	4.96	4.60	11.68	1.36	0.00	0.08	0.00	0.00	
8	0.00	0.00	0.00	0.00	6.40	2.44	6.04	1.00	0.00	0.12	0.00	0.00	
9	0.00	0.00	0.00	0.00	11.68	1.36	4.24	4.24	0.00	0.08	0.00	0.00	
10	0.00	0.00	0.00	0.00	16.96	1.54	5.68	5.68	0.00	0.08	0.00	0.00	
11	0.00	0.00	0.00	0.00	13.44	1.36	77.00	9.92	0.00	0.04	0.00	0.00	
12	0.00	0.00	0.00	0.00	8.16	0.82	38.40	16.96	0.00	0.08	0.00	0.00	
13	0.00	0.00	0.00	0.00	5.32	0.40	22.24	9.92	0.94	0.16	0.00	0.00	
14	0.00	0.00	0.00	0.00	3.88	0.20	18.72	4.96	0.00	0.20	0.00	0.00	
15	0.00	0.00	0.00	0.00	2.44	0.52	15.20	2.80	0.00	0.20	0.00	0.00	
16	0.00	0.00	0.00	0.00	2.26	0.64	18.72	2.08	0.00	0.20	0.00	0.00	
17	0.00	0.00	0.00	0.00	1.90	0.58	20.48	1.72	0.00	0.16	0.00	0.00	
18	0.00	0.00	0.00	0.00	4.24	0.32	18.72	0.94	0.00	0.12	0.00	0.00	
19	0.00	0.00	0.00	0.00	3.52	0.04	16.96	0.88	0.00	0.32	0.00	0.00	
20	0.00	0.00	0.00	0.00	2.62	0.58	11.68	0.94	0.00	0.28	0.00	0.00	
21	0.00	0.00	0.00	0.36	2.62	0.12	6.40	0.88	0.04	0.24	0.00	0.00	
22	0.00	0.00	0.00	2.80	2.62	0.64	5.68	0.82	0.58	0.20	0.00	0.00	
23	0.00	0.00	0.00	2.62	2.80	0.82	5.32	0.76	0.00	0.12	0.00	0.00	
24	0.00	0.00	0.00	1.72	3.16	0.88	3.52	0.64	0.00	0.00	0.00	0.00	
25	0.00	0.00	0.00	2.80	1.90	0.88	3.52	0.52	0.00	0.00	0.00	0.00	
26	0.00	0.00	0.00	2.26	1.36	0.88	2.80	0.32	0.00	0.00	0.00	0.00	
27	0.00	0.00	0.00	2.08	1.18	0.94	2.08	0.24	0.00	0.00	0.00	0.00	
28	0.00	0.00	0.00	2.08	1.00	5.68	1.18	0.08	0.00	0.00	0.00	0.00	
29	0.00	0.00	0.00	1.54	0.88	20.48	3.16	0.00	0.00	0.00	0.00	0.00	
30	0.00	0.00	0.00	1.72	0.76	18.72	4.96	0.00	0.00	0.00		0.00	
31		0.00		1.72	0.88		15.20		0.00	0.00		0.00	
TOTAL	0.00	0.00	0.00	21.70	118.70	79.50	444.86	129.28	1.56	2.76	0.00	0.00	798.36 CMSDAY
MEAN	0.00	0.00	0.00	0.70	3.83	2.65	14.35	4.31	0.05	0.09	0.00	0.00	2.18 CMS
MAX	0.00	0.00	0.00	2.80	16.96	20.48	77.00	18.72	0.94	0.32	0.00	0.00	77.00 CMS
MIN	0.00	0.00	0.00	0.00	0.76	0.04	1.18	0.00	0.00	0.00	0.00	0.00	0.00 CMS
RUNOFF	0.000	0.000	0.000	1.875	10.256	6.869	38.436	11.170	0.135	0.238	0.000	0.000	68.978 MCM

MOMENTARY PEAK 102.00 CMS, AT 1.86 M (A.D), AT 18.00 HOURS, ON OCT 11, 1983
RUNOFF YIELD 16.65 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 778.63 LITERS/SECOND/SQUARE KM

WATER YEAR 1983

MUN RIVER BASIN

HUAI THAP THAN AT BAN YAENG, SURIN (M.101)

LOCATION — LAT. 14°-37'-42" N., LONG. 103°-42'-12" E., ON LEFT BANK AT THE BRIDE OF CHOKCHAI-DET UDOM HIGHWAY NEAR GUIDEPOST 170-171 AND ABOUT 17 KILOMETERS FROM AMPHOE SANGKHA, BAN YAENG, TAMBON KRA THIAM, AMPHOE SANGKHA, SURIN.

DRAINAGE AREA — 390 SQ.KM.

TYPE OF GAGE — STAFF GAGE.

ZERO GAGE AT BOTTOM — +0.00 M.(A.D.)

BENCH MARK — B.M.-HIGHWAYS DEPT.

LOCATION — ON RIGHT BANK AT THE ABUTMENT OF THE BRIDGE.

ELEVATION — +8.945 M.(A.D.)

GAGE READING FREQUENCY — 5-TIME DAILY READINGS AT 06.00, 09.00, 12.00, 15.00 AND 18.00 HOURS.

BASIS OF MEAN DAILY GAGE HEIGHT — ARITHMETIC MEAN OF 5 READINGS.

PERIOD OF AVAILABLE GAGE RECORDS — 1979 TO DATE.

RATING OPERATION

PERIOD OF RATING — 1980 TO DATE.

RATED BY FLOAT — -

RATED BY CURRENT METER — 1980 TO DATE.

STABILITY OF CHANNEL REGIMES — STABLE.

OVERBANK FLOW CONDITIONS — NO OVERBANK FLOW.

GENERAL DESCRIPTION — RECORDS GOOD. STAGE-DISCHARGE RELATION DEFINED BY 29 DISCHARGE MEASUREMENTS MADE IN 1983.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

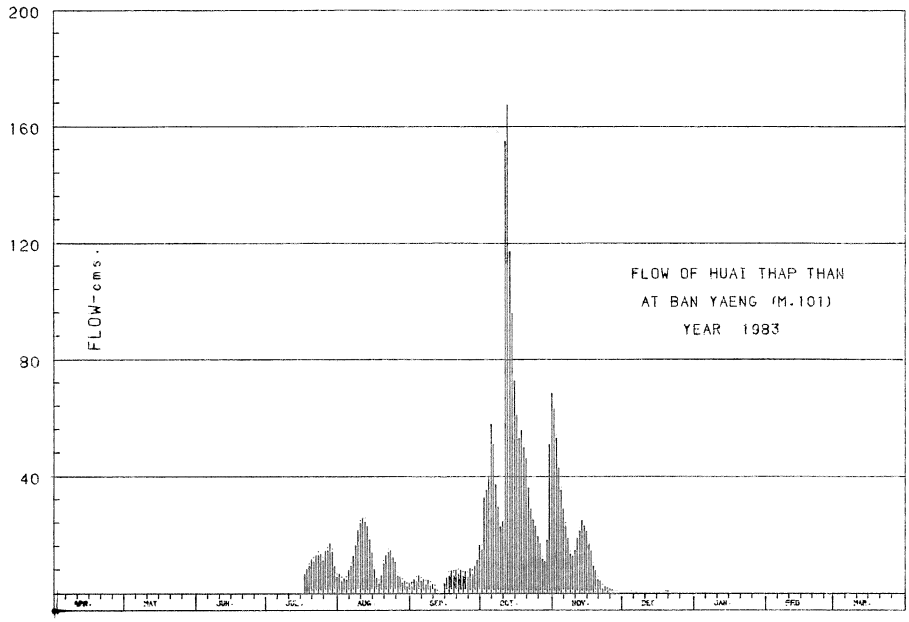
DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	5.46	5.22	5.67	5.65	6.07	5.78	6.70	7.32	5.27	5.18	4.88	4.69	
2	5.46	5.27	5.67	5.64	5.96	5.88	7.09	7.27	5.29	5.17	4.87	4.69	
3	5.45	5.27	5.66	5.64	5.91	5.98	7.13	7.20	5.34	5.16	4.86	4.68	
4	5.45	5.25	5.66	5.63	5.98	6.01	7.17	7.13	5.38	5.20	4.85	4.68	
5	5.44	5.28	5.65	5.62	6.20	5.94	7.30	7.03	5.28	5.18	4.84	4.67	
6	5.44	5.28	5.64	5.62	6.40	5.89	7.25	6.93	5.31	5.08	4.82	4.67	
7	5.43	5.27	5.63	5.64	6.54	5.85	7.15	6.78	5.29	5.03	4.80	4.67	
8	5.42	5.28	5.62	5.65	6.73	5.86	7.04	6.62	5.26	5.06	4.77	4.66	
9	5.41	5.31	5.61	5.65	6.86	5.81	6.92	6.54	5.20	5.06	4.76	4.66	
10	5.40	5.30	5.60	5.66	6.95	5.71	6.94	6.67	5.21	5.05	4.76	4.66	
11	5.39	5.30	5.60	5.70	6.97	5.67	7.70	6.78	5.23	4.99	4.75	4.65	
12	5.38	5.30	5.59	5.71	6.97	5.48	7.74	6.88	5.25	5.03	4.74	4.65	
13	5.37	5.29	5.60	5.71	6.90	5.32	7.56	6.95	5.26	5.10	4.74	4.65	
14	5.36	5.28	5.59	5.70	6.80	5.31	7.47	6.93	5.25	5.12	4.74	4.64	
15	5.35	5.27	5.59	5.70	6.60	5.85	7.37	6.85	5.28	5.06	4.73	4.64	
16	5.34	5.26	5.63	5.70	6.32	5.94	7.31	6.74	5.26	5.08	4.73	4.63	
17	5.33	5.25	5.63	6.09	5.93	6.15	7.27	6.62	5.28	5.01	4.73	4.63	
18	5.32	5.26	5.62	6.23	5.87	6.18	7.28	6.39	5.33	4.96	4.72	4.62	
19	5.31	5.27	5.62	6.38	6.02	6.18	7.25	6.19	5.38	4.95	4.72	4.62	
20	5.31	5.26	5.61	6.48	6.45	6.21	7.22	5.98	5.35	4.94	4.72	4.61	
21	5.30	5.25	5.60	6.52	6.55	6.23	7.14	5.83	5.29	4.93	4.73	4.60	
22	5.30	5.25	5.60	6.55	6.65	6.20	7.03	5.70	5.26	4.96	4.73	4.65	
23	5.29	5.24	5.59	6.61	6.63	6.15	6.98	5.60	5.27	4.96	4.73	4.66	
24	5.29	5.24	5.61	6.57	6.57	6.15	6.90	5.54	5.21	4.95	4.72	4.66	
25	5.28	5.40	5.62	6.52	6.42	6.13	6.83	5.49	5.15	4.94	4.72	4.65	
26	5.27	5.41	5.63	6.62	6.11	6.26	6.72	5.44	5.15	4.93	4.71	4.64	
27	5.26	5.41	5.64	6.67	5.97	6.21	6.54	5.41	5.18	4.90	4.71	4.64	
28	5.25	5.48	5.65	6.72	5.90	6.32	6.43	5.39	5.17	4.92	4.70	4.63	
29	5.25	5.64	5.66	6.65	5.83	6.52	6.79	5.36	5.17	4.89	4.70	4.63	
30	5.24	5.68	5.66	6.32	5.76	6.70	7.25	5.32	5.18	4.89		4.64	
31		5.67		6.07	5.75		7.35		5.18	4.88		4.64	
MEAN	5.35	5.33	5.63	6.05	6.34	6.00	7.12	6.36	5.26	5.02	4.76	4.65	
MAX	5.46	5.68	5.67	6.72	6.97	6.70	7.74	7.32	5.38	5.20	4.88	4.69	7.74
MIN	5.24	5.22	5.59	5.62	5.75	5.31	6.43	5.32	5.15	4.88	4.70	4.60	4.60

ANNUAL MAX MOMENTARY GAGE HEIGHT — 7.82 M (A.D), AT 18.00 HOURS, ON OCT 11, 1983

ZERO GAGE AT BOTTOM ELEVATION — 0.00 M (A.D), RIVER BED — 1.43 M (A.D)

LEFT BANK ELEVATION — 8.71 M (A.D)

RIGHT BANK ELEVATION — 8.69 M (A.D), DRAINAGE AREA — 390 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.00	0.00	0.00	0.00	6.70	3.82	16.50	63.20	0.41	0.12	0.00	0.00	
2	0.00	0.00	0.00	0.00	5.60	4.80	32.85	54.20	0.47	0.08	0.00	0.00	
3	0.00	0.00	0.00	0.00	5.10	5.80	36.35	43.00	0.70	0.04	0.00	0.00	
4	0.00	0.00	0.00	0.00	5.80	6.10	40.15	36.35	0.90	0.20	0.00	0.00	
5	0.00	0.00	0.00	0.00	8.00	5.40	59.00	28.95	0.44	0.12	0.00	0.00	
6	0.00	0.00	0.00	0.00	10.50	4.90	51.00	24.20	0.55	0.00	0.00	0.00	
7	0.00	0.00	0.00	0.00	12.80	4.50	38.25	18.90	0.47	0.00	0.00	0.00	
8	0.00	0.00	0.00	0.00	17.40	4.60	29.60	14.50	0.38	0.00	0.00	0.00	
9	0.00	0.00	0.00	0.00	21.60	4.10	23.80	12.80	0.20	0.00	0.00	0.00	
10	0.00	0.00	0.00	0.00	25.00	3.19	24.60	15.75	0.23	0.00	0.00	0.00	
11	0.00	0.00	0.00	0.00	25.80	2.89	156.00	18.90	0.29	0.00	0.00	0.00	
12	0.00	0.00	0.00	0.00	25.80	1.56	167.60	22.30	0.35	0.00	0.00	0.00	
13	0.00	0.00	0.00	0.00	23.00	0.60	118.00	25.00	0.38	0.00	0.00	0.00	
14	0.00	0.00	0.00	0.00	19.50	0.55	96.10	24.20	0.35	0.00	0.00	0.00	
15	0.00	0.00	0.00	0.00	14.00	4.50	73.70	21.25	0.44	0.00	0.00	0.00	
16	0.00	0.00	0.00	0.00	9.30	5.40	61.10	17.70	0.38	0.00	0.00	0.00	
17	0.00	0.00	0.00	6.90	5.30	7.50	54.20	14.50	0.44	0.00	0.00	0.00	
18	0.00	0.00	0.00	8.30	4.70	7.80	55.80	10.35	0.65	0.00	0.00	0.00	
19	0.00	0.00	0.00	10.20	6.20	7.80	51.00	7.90	0.90	0.00	0.00	0.00	
20	0.00	0.00	0.00	11.70	11.25	8.10	46.20	5.80	0.75	0.00	0.00	0.00	
21	0.00	0.00	0.00	12.40	13.00	8.30	37.30	4.30	0.47	0.00	0.00	0.00	
22	0.00	0.00	0.00	13.00	15.25	8.00	28.95	3.10	0.38	0.00	0.00	0.00	
23	0.00	0.00	0.00	14.25	14.75	7.50	26.20	2.40	0.41	0.00	0.00	0.00	
24	0.00	0.00	0.00	13.40	13.40	7.50	23.00	1.98	0.23	0.00	0.00	0.00	
25	0.00	0.00	0.00	12.40	10.80	7.30	20.55	1.63	0.00	0.00	0.00	0.00	
26	0.00	0.00	0.00	14.50	7.10	8.60	17.10	1.28	0.00	0.00	0.00	0.00	
27	0.00	0.00	0.00	15.75	5.70	8.10	12.80	1.07	0.12	0.00	0.00	0.00	
28	0.00	0.00	0.00	17.10	5.00	9.30	10.95	0.95	0.08	0.00	0.00	0.00	
29	0.00	0.00	0.00	15.25	4.30	12.40	19.20	0.80	0.08	0.00	0.00	0.00	
30	0.00	0.00	0.00	9.30	3.64	16.50	51.00	0.60	0.12	0.00		0.00	
31		0.00		6.70	3.55		69.50		0.12	0.00		0.00	
TOTAL	0.00	0.00	0.00	181.15	359.84	187.41	1548.35	497.86	11.69	0.56	0.00	0.00	2786.86 CMSDAY
MEAN	0.00	0.00	0.00	5.84	11.61	6.25	49.95	16.60	0.38	0.02	0.00	0.00	7.61 CMS
MAX	0.00	0.00	0.00	17.10	25.80	16.50	167.60	63.20	0.90	0.20	0.00	0.00	167.60 CMS
MIN	0.00	0.00	0.00	0.00	3.55	0.55	10.95	0.60	0.00	0.00	0.00	0.00	0.00 CMS
RUNOFF	0.000	0.000	0.000	15.651	31.090	16.192	133.777	43.015	1.010	0.048	0.000	0.000	240.785 MCM

MOMENTARY PEAK 191.00 CMS, AT 7.82 M (A.D), AT 18.00 HOURS, ON OCT 11, 1983

RUNOFF YIELD 19.52 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 489.74 LITERS/SECOND/SQUARE KM

WATER YEAR 1983

MUN RIVER BASIN

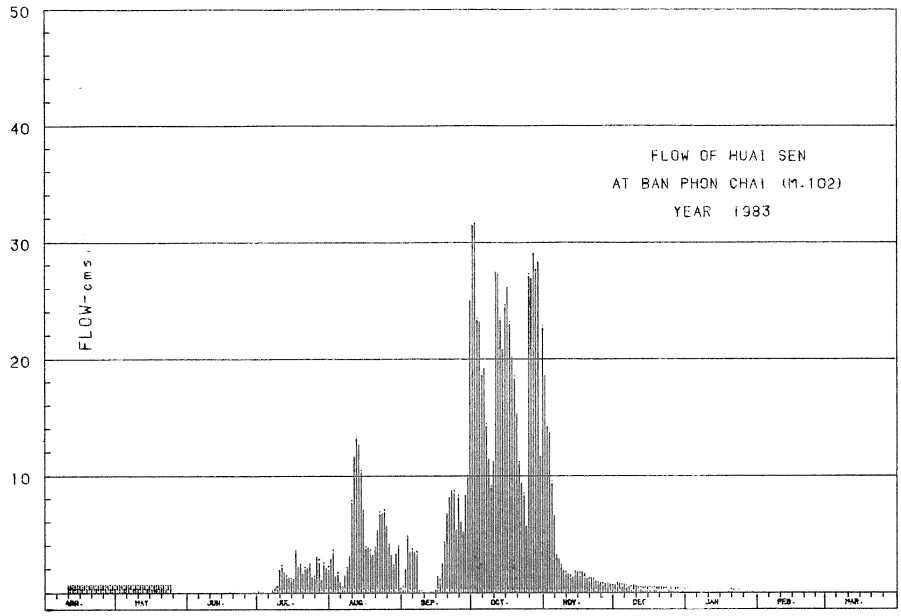
HUAI SEN AT BAN PHON CHAI, SURIN (M.102)

LOCATION	LAT. 14°-36'-50" N., LONG. 103°-53'-24" E., ON LEFT BANK AT THE BRIDGE OF CHOKCHAI-DET UDOM HIGHWAY NEAR GUIDEPOST 192-193 AND ABOUT 4 KILOMETERS FROM AMPHOE SANGKHA, BAN PHON CHAI, TAMBON SANGKHA, AMPHOE SANGKHA, SURIN.
DRAINAGE AREA	207 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM	+0.00 M. (A.D.)
BENCH MARK	B.M. OF HIGHWAYS DEPT.
LOCATION	ON RIGHT BANK AT THE ABUTMENT OF THE BRIDGE.
ELEVATION	+3.511 M. (A.D.)
GAGE READING FREQUENCY	5-TIME DAILY READINGS AT 06.00, 09.00, 12.00, 15.00 AND 18.00 HOURS.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 5 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1979 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1980 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1980 TO DATE.
STABILITY OF CHANNEL REGIMES	FAIRLY STABLE.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS POOR. STAGE-DISCHARGE RELATION DEFINED BY 34 DISCHARGE MEASUREMENTS MADE IN 1983.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	-0.35	*******	0.23	0.45	0.90	0.57	2.00	1.64	0.51	0.42	0.25	0.01	
2	-0.39	*******	0.26	0.39	0.97	0.81	2.00	1.50	0.54	0.41	0.13	-0.02	
3	-0.40	*******	0.28	0.38	0.73	1.05	1.79	1.47	0.53	0.41	0.17	-0.03	
4	-0.40	*******	0.29	0.35	0.78	0.95	1.78	1.30	0.52	0.37	0.20	-0.03	
5	-0.41	*******	0.30	0.33	0.64	0.98	1.65	1.15	0.52	0.37	0.20	-0.03	
6	-0.43	*******	0.35	0.32	0.56	0.95	1.66	0.93	0.51	0.37	0.22	-0.05	
7	-0.43	*******	0.34	0.49	0.74	0.96	1.50	0.90	0.48	0.36	0.20	-0.05	
8	-0.43	*******	0.30	0.51	0.83	0.49	1.38	0.85	0.50	0.36	0.19	-0.07	
9	-0.43	*******	0.31	0.57	0.92	0.47	1.28	0.80	0.51	0.36	0.17	-0.07	
10	*******	*******	0.31	0.81	1.22	0.45	1.37	0.79	0.48	0.37	0.15	-0.07	
11	*******	*******	0.32	0.85	1.39	0.46	1.90	0.76	0.48	0.38	0.15	-0.13	
12	*******	*******	0.33	0.78	1.46	0.44	1.89	0.75	0.47	0.37	0.12	-0.13	
13	*******	*******	0.33	0.75	1.43	0.52	1.79	0.72	0.47	0.38	0.14	-0.13	
14	*******	*******	0.34	0.72	1.34	0.50	1.71	0.67	0.47	0.39	0.12	-0.15	
15	*******	*******	0.34	0.71	1.18	0.56	1.82	0.66	0.46	0.38	0.11	-0.15	
16	*******	*******	0.34	0.70	1.00	0.73	1.86	0.66	0.47	0.37	0.10	-0.17	
17	*******	*******	0.35	0.97	0.99	0.69	1.78	0.66	0.46	0.37	0.10	-0.17	
18	*******	*******	0.37	0.83	0.97	0.86	1.69	0.64	0.46	0.36	0.09	-0.20	
19	*******	*******	0.39	0.86	0.93	1.02	1.64	0.59	0.46	0.41	0.08	-0.21	
20	*******	*******	0.40	0.76	0.99	1.16	1.53	0.60	0.46	0.42	0.07	-0.21	
21	*******	*******	0.40	0.83	1.08	1.23	1.37	0.60	0.47	0.39	0.07	-0.17	
22	*******	*******	0.41	0.82	1.17	1.26	1.29	0.59	0.45	0.40	0.06	-0.17	
23	*******	*******	0.42	0.86	1.16	1.26	1.25	0.56	0.46	0.39	0.06	-0.17	
24	*******	*******	0.29	0.72	1.18	1.08	1.10	0.55	0.45	0.38	0.05	-0.18	
25	*******	-0.23	0.24	0.74	1.10	1.24	1.89	0.54	0.46	0.37	0.03	-0.18	
26	*******	-0.24	0.22	0.92	1.01	1.12	1.88	0.54	0.46	0.36	0.02	-0.18	
27	*******	-0.24	0.14	0.90	0.93	1.07	1.94	0.53	0.45	0.36	0.01	-0.18	
28	*******	-0.26	0.29	0.68	0.85	1.24	1.90	0.53	0.43	0.32	0.01	-0.18	
29	*******	-0.23	0.37	0.87	0.94	1.32	1.92	0.52	0.43	0.32	0.01	-0.18	
30	*******	-0.23	0.36	0.82	1.00	1.83	1.39	0.51	0.43	0.29		-0.19	
31		-0.23		0.84	0.53		1.77		0.42	0.27		-0.19	
MEAN	*******	*******	0.32	0.69	1.00	0.91	1.67	0.78	0.47	0.37	0.11	-0.13	
MAX	-0.35	-0.23	0.42	0.97	1.46	1.83	2.00	1.64	0.54	0.42	0.25	0.01	2.00
MIN	*******	*******	0.14	0.32	0.53	0.44	1.10	0.51	0.42	0.27	0.01	-0.21	*******

ANNUAL MAX MOMENTARY GAGE HEIGHT 2.00 M (A.D), AT 6.00 HOURS, ON OCT 1, 1983
ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D), RIVER BED 0.13 M (A.D)
LEFT BANK ELEVATION 3.28 M (A.D)
RIGHT BANK ELEVATION 3.28 M (A.D), DRAINAGE AREA 207 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.00	*******	0.00	0.20	2.90	0.58	31.70	18.58	0.67	0.36	0.00	0.00	
2	0.00	*******	0.00	0.09	3.67	2.00	31.70	14.50	0.88	0.33	0.00	0.00	
3	0.00	*******	0.00	0.08	1.41	4.85	23.56	13.72	0.81	0.33	0.00	0.00	
4	0.00	*******	0.00	0.05	1.76	3.45	23.22	9.60	0.74	0.21	0.00	0.00	
5	0.00	*******	0.00	0.03	0.90	3.78	18.90	6.60	0.74	0.21	0.00	0.00	
6	0.00	*******	0.05	0.02	0.54	3.45	19.22	3.23	0.67	0.21	0.00	0.00	
7	0.00	*******	0.04	0.28	1.48	3.56	14.50	2.90	0.54	0.18	0.00	0.00	
8	0.00	*******	0.00	0.34	2.20	0.28	11.44	2.40	0.60	0.18	0.00	0.00	
9	0.00	*******	0.01	0.58	3.12	0.24	9.18	1.90	0.67	0.18	0.00	0.00	
10	*******	*******	0.01	2.00	7.92	0.20	11.21	1.83	0.54	0.21	0.00	0.00	
11	*******	*******	0.02	2.40	11.67	0.22	27.70	1.62	0.54	0.24	0.00	0.00	
12	*******	*******	0.03	1.76	13.46	0.18	27.32	1.55	0.51	0.21	0.00	0.00	
13	*******	*******	0.03	1.55	12.68	0.38	23.56	1.34	0.51	0.24	0.00	0.00	
14	*******	*******	0.04	1.34	10.52	0.30	20.84	1.86	0.51	0.27	0.00	0.00	
15	*******	*******	0.04	1.27	7.14	0.54	24.66	1.78	0.48	0.24	0.00	0.00	
16	*******	*******	0.04	1.20	4.00	1.41	26.18	1.78	0.51	0.21	0.00	0.00	
17	*******	*******	0.05	3.67	3.89	1.15	23.22	1.78	0.48	0.21	0.00	0.00	
18	*******	*******	0.07	2.20	3.67	2.50	20.18	1.62	0.48	0.18	0.00	0.00	
19	*******	*******	0.09	2.50	3.23	4.34	18.58	1.23	0.48	0.33	0.00	0.00	
20	*******	*******	0.10	1.62	3.89	6.78	15.34	1.30	0.48	0.36	0.00	0.00	
21	*******	*******	0.10	2.20	5.36	8.13	11.21	1.30	0.51	0.27	0.00	0.00	
22	*******	*******	0.12	2.10	6.96	8.76	9.39	1.23	0.45	0.30	0.00	0.00	
23	*******	*******	0.14	2.50	6.78	8.76	8.55	1.02	0.48	0.27	0.00	0.00	
24	*******	*******	0.00	1.34	7.14	5.36	5.70	0.95	0.45	0.24	0.00	0.00	
25	*******	0.00	0.00	1.48	5.70	8.34	27.32	0.88	0.48	0.21	0.00	0.00	
26	*******	0.00	0.00	3.12	4.17	6.06	26.94	0.88	0.48	0.18	0.00	0.00	
27	*******	0.00	0.00	2.90	3.23	5.19	29.30	0.81	0.45	0.18	0.00	0.00	
28	*******	0.00	0.00	1.10	2.40	8.34	27.70	0.81	0.39	0.06	0.00	0.00	
29	*******	0.00	0.07	2.60	3.34	10.06	28.50	0.74	0.39	0.06	0.00	0.00	
30	*******	0.00	0.06	2.10	4.00	25.04	11.67	0.67	0.39	0.00		0.00	
31		0.00		2.30	0.42		22.88		0.36	0.00		0.00	
TOTAL	*******	*******	1.11	46.92	149.55	134.23	631.37	100.41	16.67	6.66	0.00	0.00	******** CMSDAY
MEAN	*******	*******	0.04	1.51	4.82	4.47	20.37	3.35	0.54	0.21	0.00	0.00	******** CMS
MAX	0.00	0.00	0.14	3.67	13.46	25.04	31.70	18.58	0.88	0.36	0.00	0.00	31.70 CMS
MIN	*******	*******	0.00	0.02	0.42	0.18	5.70	0.67	0.36	0.00	0.00	0.00	******** CMS
RUNOFF	*******	*******	0.096	4.054	12.921	11.597	54.550	8.675	1.440	0.575	0.000	0.000	******** MCM

MOMENTARY PEAK 31.70 CMS, AT 2.00 M (A.D), AT 6.00 HOURS, ON OCT 1, 1983

RUNOFF YIELD ********* LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 153.14 LITERS/SECOND/SQUARE KM

WATER YEAR 1983

MUN RIVER BASIN

LAM CHAKKARAT AT CHAKKARAT, NAKHON RATCHASIMA (M.105)

LOCATION — LAT. 15°-00'-42" N., LONG. 102°-24'-25" E., ON LEFT BANK ABOUT 500 METERS FROM CHAKKARAT RAILWAY STATION, AMPHOE CHAKKARAT, NAKHON RATCHASIMA.

DRAINAGE AREA — 1,291 SQ.KM.

TYPE OF GAGE — STAFF GAGE.

ZERO GAGE AT BOTTOM — +0.00 M. A.D.

BENCH MARK — B.M-H.D.

LOCATION — ON LEFT BANK NEAR THE RAILWAY BRIDGE.

ELEVATION — +5.824 M.(A.D.)

GAGE READING FREQUENCY — 3-5 TIME DAILY READINGS AT 06.00, 09.00, 12.00, 15.00 AND 18.00 HOURS.

BASIS OF MEAN DAILY GAGE HEIGHT — ARITHMETIC MEAN OF 3-5 READINGS.

PERIOD OF AVAILABLE GAGE RECORDS — 1980 TO DATE.

RATING OPERATION

PERIOD OF RATING — 1982 TO DATE.

RATED BY FLOAT — -

RATED BY CURRENT METER — 1982 TO DATE.

STABILITY OF CHANNEL REGIMES — FAIRLY STABLE.

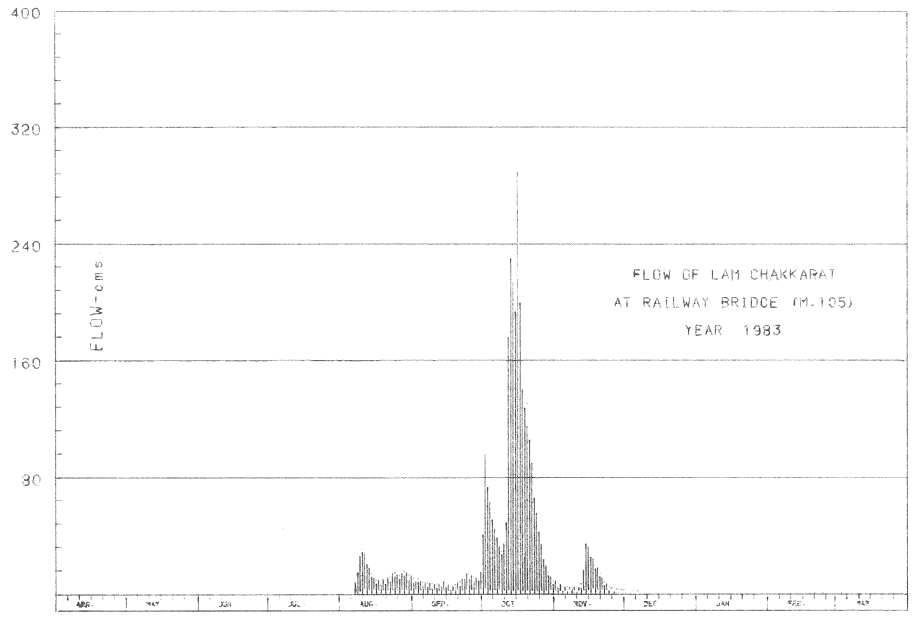
OVERBANK FLOW CONDITIONS — NO OVERBANK FLOW.

GENERAL DESCRIPTION — RECORDS FAIR. STAGE-DISCHARGE RELATION DEFINED BY 36 DISCHARGE MEASUREMENTS MADE IN 1983.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	1.08	0.73	0.73	0.67	0.78	2.42	2.65	2.40	2.12	1.88	1.57	1.28	
2	1.07	0.73	0.72	0.67	0.78	2.39	2.86	2.36	2.12	1.87	1.57	1.27	
3	1.06	0.72	0.71	0.66	0.79	2.42	2.79	2.34	2.11	1.86	1.55	1.26	
4	1.05	0.72	0.71	0.65	0.82	2.39	2.74	2.29	2.11	1.84	1.54	1.24	
5	1.04	0.74	0.70	0.65	0.85	2.38	2.70	2.27	2.10	1.83	1.53	1.22	
6	1.03	0.82	0.69	0.64	0.89	2.37	2.66	2.28	2.10	1.81	1.52	1.21	
7	1.02	0.81	0.69	0.64	2.38	2.36	2.64	2.27	2.10	1.79	1.50	1.20	
8	1.01	0.80	0.67	0.67	2.50	2.36	2.60	2.26	2.09	1.78	1.49	1.19	
9	1.00	0.81	0.67	0.67	2.56	2.35	2.58	2.28	2.09	1.78	1.48	1.18	
10	1.00	0.80	0.77	0.66	2.59	2.34	2.61	2.27	2.09	1.77	1.47	1.17	
11	0.99	0.79	0.77	0.66	2.57	2.34	2.69	2.26	2.08	1.77	1.46	1.16	
12	0.98	0.79	0.76	0.66	2.54	2.35	3.07	2.35	2.08	1.76	1.46	1.14	
13	0.97	0.78	0.75	0.67	2.51	2.38	3.17	2.50	2.08	1.75	1.45	1.14	
14	0.95	0.78	0.75	0.66	2.47	2.39	3.14	2.62	2.07	1.74	1.44	1.13	
15	0.93	0.76	0.74	0.66	2.43	2.35	3.11	2.60	2.07	1.73	1.43	1.12	
16	0.91	0.76	0.74	0.65	2.41	2.33	3.26	2.57	2.07	1.72	1.42	1.12	
17	0.90	0.75	0.73	0.68	2.41	2.31	3.12	2.55	2.06	1.71	1.40	1.10	
18	0.88	0.75	0.72	0.68	2.41	2.30	2.99	2.52	2.08	1.70	1.40	1.10	
19	0.85	0.74	0.71	0.67	2.42	2.33	2.96	2.51	2.08	1.69	1.39	1.09	
20	0.85	0.73	0.71	0.67	2.41	2.37	2.92	2.47	2.06	1.68	1.38	1.08	
21	0.84	0.72	0.70	0.67	2.43	2.39	2.90	2.43	2.05	1.68	1.37	1.08	
22	0.81	0.72	0.69	0.66	2.44	2.42	2.84	2.38	2.03	1.67	1.36	1.07	
23	0.76	0.72	0.68	0.66	2.47	2.46	2.76	2.35	2.01	1.66	1.35	1.06	
24	0.75	0.71	0.68	0.67	2.48	2.47	2.71	2.30	1.96	1.65	1.33	1.05	
25	0.74	0.72	0.68	0.69	2.46	2.46	2.66	2.26	1.94	1.65	1.32	1.05	
26	0.74	0.73	0.69	0.77	2.45	2.45	2.61	2.25	1.93	1.64	1.32	1.05	
27	0.73	0.74	0.70	0.77	2.47	2.44	2.56	2.21	1.92	1.63	1.31	1.04	
28	0.73	0.75	0.70	0.76	2.49	2.43	2.52	2.19	1.90	1.61	1.30	1.03	
29	0.72	0.74	0.69	0.75	2.48	2.44	2.48	2.17	1.89	1.60	1.29	1.03	
30	0.72	0.72	0.68	0.77	2.46	2.48	2.44	2.15	1.88	1.59		1.02	
31		0.74		0.78	2.45		2.40		1.88	1.59		1.02	
MEAN	0.90	0.75	0.71	0.68	2.15	2.39	2.78	2.36	2.04	1.72	1.43	1.13	
MAX	1.08	0.82	0.77	0.78	2.59	2.48	3.26	2.62	2.12	1.88	1.57	1.28	3.26
MIN	0.72	0.71	0.67	0.64	0.78	2.30	2.40	2.15	1.88	1.59	1.29	1.02	0.64

ANNUAL MAX MOMENTARY GAGE HEIGHT 3.29 M (A.D), AT 12.00 HOURS, ON OCT 16, 1983
ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D), RIVER BED 0.13 M (A.D)
LEFT BANK ELEVATION 5.64 M (A.D)
RIGHT BANK ELEVATION 5.66 M (A.D), DRAINAGE AREA 1291 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.15	0.00	0.00	0.00	0.00	10.50	42.75	9.00	2.42	1.68	1.09	0.53	
2	0.13	0.00	0.00	0.00	0.00	8.63	96.00	7.52	2.42	1.66	1.09	0.52	
3	0.11	0.00	0.00	0.00	0.00	10.50	75.50	6.78	2.26	1.64	1.05	0.50	
4	0.10	0.00	0.00	0.00	0.00	8.63	63.00	5.14	2.26	1.60	1.03	0.46	
5	0.08	0.00	0.00	0.00	0.00	8.26	53.00	4.82	2.10	1.58	1.01	0.42	
6	0.06	0.00	0.00	0.00	0.00	7.89	44.80	4.98	2.10	1.55	0.99	0.40	
7	0.04	0.00	0.00	0.00	8.26	7.52	40.70	4.82	2.10	1.51	0.95	0.38	
8	0.02	0.00	0.00	0.00	16.50	7.52	32.50	4.66	2.08	1.49	0.94	0.36	
9	0.00	0.00	0.00	0.00	26.10	7.15	29.30	4.98	2.08	1.49	0.92	0.34	
10	0.00	0.00	0.00	0.00	30.90	6.78	34.55	4.82	2.08	1.47	0.90	0.32	
11	0.00	0.00	0.00	0.00	27.70	6.78	50.95	4.66	2.06	1.47	0.88	0.31	
12	0.00	0.00	0.00	0.00	22.90	7.15	176.20	7.15	2.06	1.45	0.88	0.27	
13	0.00	0.00	0.00	0.00	18.10	8.26	232.00	16.50	2.06	1.43	0.86	0.27	
14	0.00	0.00	0.00	0.00	14.25	8.63	214.00	36.60	2.04	1.41	0.84	0.25	
15	0.00	0.00	0.00	0.00	11.25	7.15	196.00	32.50	2.04	1.39	0.82	0.23	
16	0.00	0.00	0.00	0.00	9.75	6.41	289.60	27.70	2.04	1.37	0.80	0.23	
17	0.00	0.00	0.00	0.00	9.75	5.67	202.00	24.50	2.02	1.36	0.76	0.19	
18	0.00	0.00	0.00	0.00	9.75	5.30	140.40	19.70	2.06	1.34	0.76	0.19	
19	0.00	0.00	0.00	0.00	10.50	6.41	129.60	18.10	2.06	1.32	0.74	0.17	
20	0.00	0.00	0.00	0.00	9.75	7.89	115.20	14.25	2.02	1.30	0.73	0.15	
21	0.00	0.00	0.00	0.00	11.25	8.63	108.00	11.25	2.00	1.30	0.71	0.15	
22	0.00	0.00	0.00	0.00	12.00	10.50	90.00	8.26	1.97	1.28	0.69	0.13	
23	0.00	0.00	0.00	0.00	14.25	13.50	68.00	7.15	1.93	1.26	0.67	0.11	
24	0.00	0.00	0.00	0.00	15.00	14.25	55.50	5.30	1.83	1.24	0.63	0.10	
25	0.00	0.00	0.00	0.00	13.50	13.50	44.80	4.66	1.79	1.24	0.61	0.10	
26	0.00	0.00	0.00	0.00	12.75	12.75	34.55	4.50	1.78	1.22	0.61	0.10	
27	0.00	0.00	0.00	0.00	14.25	12.00	26.10	3.86	1.76	1.20	0.59	0.08	
28	0.00	0.00	0.00	0.00	15.75	11.25	19.70	3.54	1.72	1.16	0.57	0.06	
29	0.00	0.00	0.00	0.00	15.00	12.00	15.00	3.22	1.70	1.15	0.55	0.06	
30	0.00	0.00	0.00	0.00	13.50	15.00	12.00	2.90	1.68	1.13		0.04	
31		0.00		0.00	12.75		9.00		1.68	1.13		0.04	
TOTAL	0.69	0.00	0.00	0.00	375.46	276.41	2740.70	313.82	62.20	42.82	23.67	7.46	3843.23 CMSDAY
MEAN	0.02	0.00	0.00	0.00	12.11	9.21	88.41	10.46	2.01	1.38	0.82	0.24	10.50 CMS
MAX	0.15	0.00	0.00	0.00	30.90	15.00	289.60	36.60	2.42	1.68	1.09	0.53	289.60 CMS
MIN	0.00	0.00	0.00	0.00	0.00	5.30	9.00	2.90	1.68	1.13	0.55	0.04	0.00 CMS
RUNOFF	0.060	0.000	0.000	0.000	32.440	23.882	236.797	27.114	5.374	3.700	2.045	0.645	332.055 MCM

MOMENTARY PEAK 309.40 CMS, AT 3.29 M (A.D), AT 12.00 HOURS, ON OCT 16, 1983
RUNOFF YIELD 8.13 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 239.66 LITERS/SECOND/SQUARE KM

WATER YEAR 1983

MUN RIVER BASIN

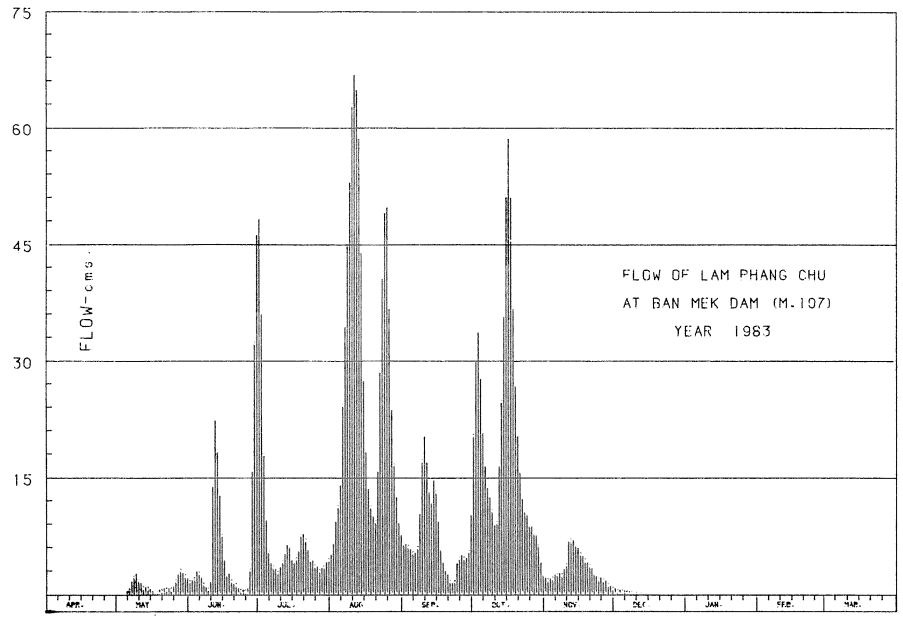
LAM PHANG CHU AT BAN MEK DAM, MAHA SARAKHAM (M.107)

LOCATION	LAT. 15°-32'-00" N., LONG. 103°-05'-29" E., ON RIGHT BANK AT WAT THA CHAI SI, BAN MEK DAM, TAMBON MEK DAM , AMPHOE PHAYAKKHAPHUM PHISAI, MAHA SARAKHAM.
DRAINAGE AREA	1,110 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM	+134.004 M.(M.S.L.)
BENCH MARK	B.M.-H.D.
LOCATION	ON LEFT BANK AT THE ABUTMENT OF THE BRIDGE.
ELEVATION	+139.401 M.(M.S.L.)
GAGE READING FREQUENCY	5-TIME DAILY READINGS AT 06.00, 09.00, 12.00, 15.00 AND 18.00 HOURS.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 5 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1981 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1981
RATED BY FLOAT	-
RATED BY CURRENT METER	1981
STABILITY OF CHANNEL REGIMES	STABLE.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS GOOD. STAGE-DISCHARGE RELATION DEFINED BY 10 DISCHARGE MEASUREMENTS MADE IN 1981.

GAGE HEIGHT IN METER (MSL), WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	134.03	133.55	134.78	136.77	135.09	135.19	135.89	134.82	134.61	134.34	134.30	134.14	
2	134.03	133.55	134.78	136.43	135.20	135.18	136.24	134.81	134.57	134.34	134.29	134.13	
3	134.03	133.55	134.82	135.79	135.36	135.17	136.37	134.81	134.56	134.34	134.28	134.13	
4	134.02	134.36	134.90	135.37	135.48	135.14	136.16	134.83	134.55	134.34	134.27	134.12	
5	134.02	134.51	134.89	135.13	135.60	135.12	135.91	134.86	134.54	134.33	134.27	134.12	
6	134.01	134.60	134.82	135.00	136.04	135.11	135.71	134.88	134.52	134.33	134.26	134.11	
7	134.01	134.76	134.74	134.97	136.38	135.16	135.60	134.88	134.51	134.33	134.25	134.11	
8	133.55	134.84	134.64	134.93	136.68	135.42	135.53	134.87	134.50	134.33	134.24	134.11	
9	133.55	134.87	134.62	134.90	136.88	135.75	135.45	134.93	134.49	134.33	134.23	134.10	
10	133.55	134.80	134.75	134.95	137.13	135.88	135.33	135.00	134.48	134.32	134.23	134.10	
11	133.55	134.74	135.61	135.03	137.22	135.75	135.36	135.20	134.47	134.32	134.23	134.09	
12	133.55	134.68	135.96	135.10	137.18	135.56	135.71	135.22	134.46	134.31	134.22	134.09	
13	133.55	134.64	135.81	135.19	137.02	135.51	136.06	135.21	134.45	134.31	134.22	134.08	
14	133.55	134.65	135.54	135.15	136.66	135.63	136.42	135.19	134.45	134.30	134.22	134.08	
15	133.55	134.58	135.26	135.06	136.15	135.57	136.84	135.15	134.44	134.29	134.22	134.07	
16	133.55	134.50	135.03	135.00	135.81	135.36	137.02	135.11	134.43	134.29	134.22	134.07	
17	133.55	134.46	134.87	135.06	135.58	135.15	136.84	135.08	134.42	134.28	134.22	134.06	
18	133.55	134.52	134.87	135.12	135.48	135.01	136.45	135.05	134.42	134.28	134.21	134.06	
19	133.55	134.56	134.79	135.26	135.40	134.94	136.14	135.01	134.41	134.28	134.21	134.05	
20	133.55	134.58	134.72	135.26	135.37	134.86	135.88	134.99	134.40	134.28	134.20	134.05	
21	133.55	134.61	134.73	135.22	135.68	134.78	135.69	134.94	134.38	134.28	134.20	134.04	
22	133.55	134.62	134.61	135.13	136.20	134.74	135.52	134.90	134.38	134.28	134.19	134.04	
23	133.55	134.61	134.58	135.04	136.56	134.78	135.45	134.84	134.37	134.29	134.19	134.07	
24	133.55	134.62	134.56	135.03	136.79	135.00	135.41	134.82	134.37	134.32	134.18	134.05	
25	133.55	134.66	134.55	134.98	136.80	135.07	135.34	134.82	134.36	134.32	134.18	134.04	
26	133.55	134.79	134.60	134.96	136.46	135.09	135.32	134.80	134.36	134.31	134.17	134.04	
27	133.55	134.86	134.93	134.92	136.01	135.07	135.28	134.78	134.35	134.31	134.16	134.05	
28	133.55	134.93	135.68	134.94	135.73	135.06	135.25	134.73	134.35	134.32	134.15	134.04	
29	133.55	134.88	136.32	134.97	135.53	135.13	135.18	134.69	134.35	134.32	134.14	134.03	
30	133.55	134.86	136.71	135.01	135.37	135.41	135.01	134.65	134.34	134.31		134.03	
31		134.81		135.05	135.25		134.88		134.34	134.30		134.08	
MEAN	133.66	134.57	135.05	135.18	136.07	135.22	135.78	134.93	134.44	134.31	134.22	134.08	
MAX	134.03	134.93	136.71	136.77	137.22	135.88	137.02	135.22	134.61	134.34	134.30	134.14	137.22
MIN	133.55	133.55	134.55	134.90	135.09	134.74	134.88	134.65	134.34	134.28	134.14	134.03	133.55

ANNUAL MAX MOMENTARY GAGE HEIGHT 137.23 M (MSL), AT 0.00 HOURS, ON AUG 11, 1983
ZERO GAGE AT BOTTOM ELEVATION 134.00 M (MSL), RIVER BED 133.55 M (MSL)
LEFT BANK ELEVATION 139.25 M (MSL)
RIGHT BANK ELEVATION 139.20 M (MSL), DRAINAGE AREA 1110 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.00	0.00	1.84	48.60	5.08	6.64	20.56	2.20	0.84	0.00	0.00	0.00	
2	0.00	0.00	1.84	36.02	6.80	6.48	30.00	2.10	0.68	0.00	0.00	0.00	
3	0.00	0.00	2.20	18.18	9.36	6.32	34.04	2.10	0.64	0.00	0.00	0.00	
4	0.00	0.00	3.00	9.52	11.44	5.84	27.68	2.30	0.60	0.00	0.00	0.00	
5	0.00	0.44	2.90	5.68	14.00	5.52	21.06	2.60	0.56	0.00	0.00	0.00	
6	0.00	0.80	2.20	4.00	24.44	5.36	16.42	2.80	0.48	0.00	0.00	0.00	
7	0.00	1.68	1.52	3.70	34.36	6.16	14.00	2.80	0.44	0.00	0.00	0.00	
8	0.00	2.40	0.96	3.30	45.04	10.36	12.46	2.70	0.40	0.00	0.00	0.00	
9	0.00	2.70	0.88	3.00	53.00	17.30	10.90	3.30	0.36	0.00	0.00	0.00	
10	0.00	2.00	1.60	3.50	63.06	20.32	8.88	4.00	0.32	0.00	0.00	0.00	
11	0.00	1.52	14.22	4.36	66.84	17.30	9.36	6.80	0.28	0.00	0.00	0.00	
12	0.00	1.12	22.36	5.20	65.16	13.12	16.42	7.12	0.24	0.00	0.00	0.00	
13	0.00	0.96	18.64	6.64	58.60	12.02	24.96	6.96	0.20	0.00	0.00	0.00	
14	0.00	1.00	12.68	6.00	44.28	14.66	35.68	6.64	0.20	0.00	0.00	0.00	
15	0.00	0.72	7.76	4.72	27.40	13.34	51.40	6.00	0.16	0.00	0.00	0.00	
16	0.00	0.40	4.36	4.00	18.64	9.36	58.60	5.36	0.12	0.00	0.00	0.00	
17	0.00	0.24	2.70	4.72	13.56	6.00	51.40	4.96	0.08	0.00	0.00	0.00	
18	0.00	0.48	2.70	5.52	11.44	4.12	36.70	4.60	0.08	0.00	0.00	0.00	
19	0.00	0.64	1.92	7.76	10.00	3.40	27.12	4.12	0.04	0.00	0.00	0.00	
20	0.00	0.72	1.36	7.76	9.52	2.60	20.32	3.90	0.00	0.00	0.00	0.00	
21	0.00	0.84	1.44	7.12	15.76	1.84	15.98	3.40	0.00	0.00	0.00	0.00	
22	0.00	0.88	0.84	5.68	28.80	1.52	12.24	3.00	0.00	0.00	0.00	0.00	
23	0.00	0.84	0.72	4.48	40.56	1.84	10.90	2.40	0.00	0.00	0.00	0.00	
24	0.00	0.88	0.64	4.36	49.40	4.00	10.18	2.20	0.00	0.00	0.00	0.00	
25	0.00	1.04	0.60	3.80	49.80	4.84	9.04	2.20	0.00	0.00	0.00	0.00	
26	0.00	1.92	0.80	3.60	37.04	5.08	8.72	2.00	0.00	0.00	0.00	0.00	
27	0.00	2.60	3.30	3.20	23.66	4.84	8.08	1.84	0.00	0.00	0.00	0.00	
28	0.00	3.30	15.76	3.40	16.86	4.72	7.60	1.44	0.00	0.00	0.00	0.00	
29	0.00	2.80	32.44	3.70	12.46	5.68	6.48	1.16	0.00	0.00	0.00	0.00	
30	0.00	2.60	46.20	4.12	9.52	10.18	4.12	1.00	0.00	0.00		0.00	
31		2.10		4.60	7.60		2.80		0.00	0.00		0.00	
TOTAL	0.00	37.62	210.38	240.24	883.48	230.76	624.10	104.00	6.72	0.00	0.00	0.00	2337.30 CMSDAY
MEAN	0.00	1.21	7.01	7.75	28.50	7.69	20.13	3.47	0.22	0.00	0.00	0.00	6.39 CMS
MAX	0.00	3.30	46.20	48.60	66.84	20.32	58.60	7.12	0.84	0.00	0.00	0.00	66.84 CMS
MIN	0.00	0.00	0.60	3.00	5.08	1.52	2.80	1.00	0.00	0.00	0.00	0.00	0.00 CMS
RUNOFF	0.000	3.250	18.177	20.757	76.333	19.938	53.922	8.986	0.581	0.000	0.000	0.000	201.943 MCM

MOMENTARY PEAK 67.26 CMS, AT 137.23 M (MSL), AT 0.00 HOURS, ON AUG 11, 1983

RUNOFF YIELD 5.75 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 60.59 LITERS/SECOND/SQUARE KM

WATER YEAR 1983

MUN RIVER BASIN

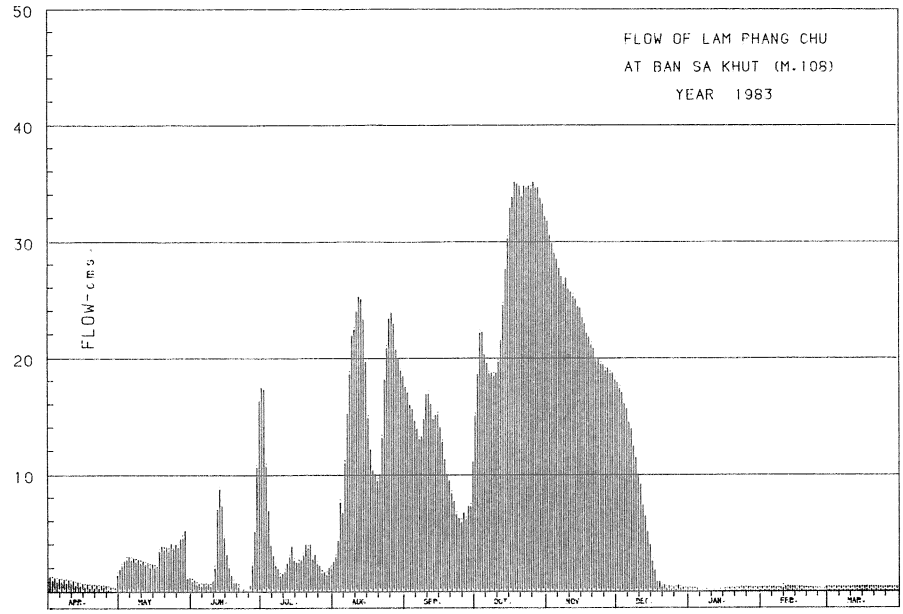
LAM PHANG CHU AT BAN SA KHUT, SURIN (M.108)

LOCATION	LAT. 15°-27'-15" N., LONG. 103°-06'-42" E., ON RIGHT BANK AT BAN SA KHUT, TAMBON SA KHUT, AMPHOE CHUMPHON BURI, SURIN.
DRAINAGE AREA	1,156 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM	+0.00 (A.D.)
BENCH MARK	B.M.-H.D.
LOCATION	ON RIGHT BANK AT THE ABUTMENT OF THE BRIDE.
ELEVATION	+5.382 M.(A.D.)
GAGE READING FREQUENCY	5-TIME DAILY READINGS AT 06.00, 09.00, 12.00, 15.00 AND 18.00 HOURS.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 5 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1980 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1981
RATED BY FLOAT	-
RATED BY CURRENT METER	1981
STABILITY OF CHANNEL REGIMES	STABLE.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS GOOD. STAGE-DISCHARGE RELATION DEFINED BY 11 DISCHARGE MEASUREMENTS MADE IN 1981.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.13	0.23	0.09	1.76	0.33	1.76	1.58	2.71	1.77	-0.10	-0.09	-0.09	
2	0.13	0.31	0.06	1.73	0.42	1.71	1.82	2.65	1.75	-0.10	-0.09	-0.09	
3	0.11	0.34	0.02	1.24	0.57	1.65	2.09	2.59	1.71	-0.11	-0.09	-0.09	
4	0.11	0.40	-0.01	0.87	0.96	1.61	2.08	2.55	1.66	-0.12	-0.09	-0.09	
5	0.10	0.40	-0.01	0.55	0.85	1.55	1.96	2.50	1.61	-0.13	-0.09	-0.09	
6	0.09	0.39	-0.01	0.41	1.26	1.48	1.89	2.46	1.54	-0.14	-0.09	-0.09	
7	0.08	0.38	-0.01	0.32	1.58	1.43	1.84	2.40	1.48	-0.14	-0.10	-0.09	
8	0.08	0.37	-0.02	0.24	1.84	1.43	1.83	2.37	1.38	-0.13	-0.10	-0.09	
9	0.07	0.36	-0.02	0.18	2.06	1.56	1.83	2.39	1.28	-0.13	-0.10	-0.09	
10	0.06	0.35	0.04	0.17	2.11	1.70	1.83	2.34	1.18	-0.15	-0.04	-0.09	
11	0.05	0.34	0.28	0.24	2.20	1.72	1.91	2.31	1.08	-0.15	-0.08	-0.09	
12	0.03	0.33	0.88	0.31	2.30	1.64	2.03	2.30	0.94	-0.14	-0.07	-0.08	
13	0.02	0.32	1.06	0.42	2.27	1.56	2.25	2.27	0.82	-0.14	-0.07	-0.08	
14	0.01	0.30	0.91	0.51	2.17	1.57	2.44	2.24	0.70	-0.13	-0.08	-0.08	
15	-0.01	0.30	0.63	0.38	1.90	1.59	2.63	2.22	0.53	-0.13	-0.08	-0.08	
16	-0.02	0.29	0.42	0.32	1.57	1.49	2.78	2.18	0.38	-0.12	-0.08	-0.08	
17	-0.02	0.27	0.29	0.36	1.34	1.41	2.85	2.13	0.22	-0.12	-0.08	-0.08	
18	-0.03	0.48	0.14	0.35	1.21	1.27	2.92	2.09	0.09	-0.11	-0.09	-0.08	
19	-0.03	0.51	0.07	0.44	1.16	1.18	2.93	2.05	0.03	-0.11	-0.09	-0.08	
20	-0.04	0.50	0.00	0.53	1.13	1.11	2.90	2.02	-0.01	-0.11	-0.10	-0.08	
21	-0.04	0.50	-0.03	0.52	1.16	1.03	2.86	1.98	-0.04	-0.10	-0.10	-0.08	
22	-0.04	0.49	-0.19	0.53	1.44	0.95	2.90	1.93	-0.05	-0.10	-0.10	-0.08	
23	-0.05	0.54	-0.13	0.40	1.79	0.86	2.91	1.92	-0.06	-0.09	-0.11	-0.09	
24	-0.05	0.52	-0.16	0.42	2.00	0.80	2.90	1.90	-0.08	-0.09	-0.11	-0.09	
25	-0.06	0.53	-0.14	0.34	2.16	0.79	2.90	1.88	-0.09	-0.09	-0.11	-0.09	
26	-0.07	0.53	-0.06	0.28	2.21	0.85	2.92	1.86	-0.08	-0.09	-0.12	-0.09	
27	-0.09	0.59	0.32	0.22	2.13	0.81	2.91	1.86	-0.05	-0.09	-0.13	-0.09	
28	-0.10	0.63	0.67	0.19	1.99	0.91	2.89	1.84	-0.06	-0.10	-0.13	-0.09	
29	-0.11	0.68	1.23	0.20	1.92	0.93	2.85	1.83	-0.10	-0.10	-0.09	-0.09	
30	0.19	0.14	1.66	0.25	1.86	1.25	2.80	1.80	-0.10	-0.10		-0.09	
31		0.11		0.28	1.81		2.75		-0.10	-0.10		-0.09	
MEAN	0.02	0.40	0.27	0.48	1.60	1.32	2.45	2.19	0.62	-0.11	-0.09	-0.09	
MAX	0.19	0.68	1.66	1.76	2.30	1.76	2.93	2.71	1.77	-0.09	-0.04	-0.08	2.93
MIN	-0.11	0.11	-0.19	0.17	0.33	0.79	1.58	1.80	-0.10	-0.15	-0.13	-0.09	-0.19

ANNUAL MAX MOMENTARY GAGE HEIGHT 2.94 M (A.D), AT 18.00 HOURS, ON OCT 18, 1983
ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D), RIVER BED -0.38 M (A.D)
LEFT BANK ELEVATION 5.14 M (A.D)
RIGHT BANK ELEVATION 5.13 M (A.D), DRAINAGE AREA 1156 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	1.31	1.90	1.11	17.74	2.55	17.74	15.24	31.76	17.88	0.35	0.39	0.39	
2	1.31	2.42	0.99	17.32	3.16	17.04	18.58	30.80	17.60	0.35	0.39	0.39	
3	1.20	2.61	0.83	10.98	4.36	16.20	22.36	29.85	17.04	0.32	0.39	0.39	
4	1.20	3.00	0.71	6.93	7.86	15.64	22.22	29.25	16.34	0.28	0.39	0.39	
5	1.15	3.00	0.71	4.20	6.75	14.85	20.54	28.50	15.64	0.25	0.39	0.39	
6	1.11	2.94	0.71	3.08	11.22	13.94	19.56	27.90	14.72	0.21	0.39	0.39	
7	1.07	2.87	0.71	2.48	15.24	13.29	18.86	27.00	13.94	0.21	0.35	0.39	
8	1.07	2.81	0.67	1.96	18.86	13.29	18.72	26.55	12.66	0.25	0.35	0.39	
9	1.03	2.74	0.67	1.59	21.94	14.98	18.72	26.85	11.46	0.25	0.35	0.39	
10	0.99	2.68	0.91	1.53	22.65	16.90	18.72	26.10	10.28	0.18	0.59	0.39	
11	0.95	2.61	2.22	1.96	24.00	17.18	19.84	25.65	9.18	0.18	0.43	0.39	
12	0.87	2.55	7.02	2.42	25.50	16.06	21.52	25.50	7.64	0.21	0.47	0.43	
13	0.83	2.48	8.96	3.16	25.05	14.98	24.75	25.05	6.48	0.21	0.47	0.43	
14	0.79	2.35	7.31	3.88	23.55	15.11	27.60	24.60	5.40	0.25	0.43	0.43	
15	0.71	2.35	4.84	2.87	19.70	15.37	30.48	24.30	4.04	0.25	0.43	0.43	
16	0.67	2.28	3.16	2.48	15.11	14.07	32.88	23.70	2.87	0.28	0.43	0.43	
17	0.67	2.16	2.28	2.74	12.18	13.03	34.00	22.95	1.83	0.28	0.43	0.43	
18	0.63	3.64	1.37	2.68	10.62	11.34	35.12	22.36	1.11	0.32	0.39	0.43	
19	0.63	3.88	1.03	3.32	10.06	10.28	35.28	21.80	0.87	0.32	0.39	0.43	
20	0.59	3.80	0.75	4.04	9.73	9.51	34.80	21.38	0.71	0.32	0.35	0.43	
21	0.59	3.80	0.63	3.96	10.06	8.63	34.16	20.82	0.59	0.35	0.35	0.43	
22	0.59	3.72	0.04	4.04	13.42	7.75	34.80	20.12	0.55	0.35	0.35	0.43	
23	0.55	4.12	0.25	3.00	18.16	6.84	34.96	19.98	0.51	0.39	0.32	0.39	
24	0.55	3.96	0.14	3.16	21.10	6.30	34.80	19.70	0.43	0.39	0.32	0.39	
25	0.51	4.04	0.21	2.61	23.40	6.21	34.80	19.42	0.39	0.39	0.32	0.39	
26	0.47	4.04	0.51	2.22	24.15	6.75	35.12	19.14	0.43	0.39	0.28	0.39	
27	0.39	4.52	2.48	1.83	22.95	6.39	34.96	19.14	0.55	0.39	0.25	0.39	
28	0.35	4.84	5.16	1.65	20.96	7.31	34.64	18.86	0.51	0.35	0.25	0.39	
29	0.32	5.24	10.86	1.70	19.98	7.53	34.00	18.72	0.35	0.35	0.39	0.39	
30	1.65	1.37	16.34	2.03	19.14	11.10	33.20	18.30	0.35	0.35		0.39	
31		1.20		2.22	18.44		32.40		0.35	0.35		0.39	
TOTAL	24.75	95.92	83.58	125.78	501.85	365.61	867.63	716.05	192.70	9.32	11.03	12.53	3006.75 CMSDAY
MEAN	0.82	3.09	2.79	4.06	16.19	12.19	27.99	23.87	6.22	0.30	0.38	0.40	8.22 CMS
MAX	1.65	5.24	16.34	17.74	25.50	17.74	35.28	31.76	17.88	0.39	0.59	0.43	35.28 CMS
MIN	0.32	1.20	0.04	1.53	2.55	6.21	15.24	18.30	0.35	0.18	0.25	0.39	0.04 CMS
RUNOFF	2.138	8.287	7.221	10.867	43.360	31.589	74.963	61.867	16.649	0.805	0.953	1.083	259.783 MCM

MOMENTARY PEAK 35.44 CMS, AT 2.94 M (A.D), AT 18.00 HOURS, ON OCT 18, 1983

RUNOFF YIELD 7.11 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 30.66 LITERS/SECOND/SQUARE KM

WATER YEAR 1983

MUN RIVER BASIN

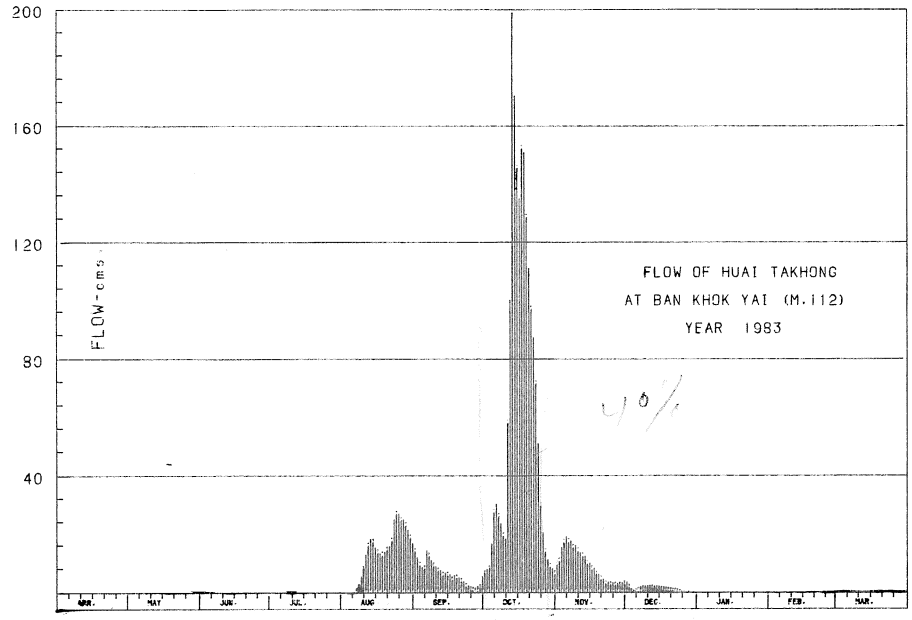
HUAI TAKHONG AT BAN KHOK YAI, BURI RAM (M.112)

LOCATION	LAT. 15°-11'-44" N., LONG. 103°-12'-22" E., ON LEFT BANK ATTHE BRIDGE ON HIGHWAY AT BAN KHOK YAI, AMPHOE SATUK, BURI RAM.
DRAINAGE AREA	1,156 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM	+0.00 M.(A.D.)
BENCH MARK	B.M.-H.D.
LOCATION	ON RIGHT BANK ABOUT 5 METERS FROM THE GAGE SITE.
ELEVATION	+9.129 M.(A.D.)
GAGE READING FREQUENCY	3-5 TIME DAILY READINGS AT 06.00, 09.00, 12.00, 15.00 AND 18.00 HOURS.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 3-5 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1982 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1983 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1983 TO DATE.
STABILITY OF CHANNEL REGIMES	FAIRLY STABLE.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS GOOD. STAGE-DISCHARGE RELATION DEFINED BY 41 DISCHARGE MEASUREMENTS MADE IN 1983.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	2.53	2.35	2.77	2.77	2.79	4.13	3.82	3.90	3.66	3.50	3.35	3.06	
2	2.53	2.36	2.77	2.76	2.80	4.01	3.84	4.00	3.62	3.50	3.35	3.05	
3	2.52	2.37	2.77	2.76	2.81	3.94	3.89	4.15	3.55	3.49	3.34	3.04	
4	2.52	2.38	2.77	2.75	2.92	3.87	4.20	4.26	3.53	3.48	3.33	3.04	
5	2.51	2.39	2.76	2.75	2.95	3.89	4.65	4.30	3.55	3.48	3.32	3.03	
6	2.50	2.40	2.76	2.73	3.02	4.11	4.72	4.27	3.57	3.48	3.32	3.03	
7	2.49	2.39	2.75	2.73	3.10	4.07	4.60	4.24	3.59	3.47	3.31	3.02	
8	2.48	2.39	2.75	2.74	3.22	3.97	4.48	4.19	3.60	3.46	3.30	3.02	
9	2.47	2.38	2.75	2.73	3.43	3.93	4.35	4.18	3.60	3.46	3.29	3.01	
10	2.46	2.38	2.74	2.72	3.67	3.88	4.27	4.14	3.60	3.45	3.38	3.00	
11	2.45	2.37	2.74	2.71	3.92	3.86	5.60	4.08	3.61	3.44	3.27	2.98	
12	2.45	2.37	2.74	2.69	4.13	3.83	6.21	4.07	3.61	3.44	3.26	2.97	
13	2.44	2.36	2.74	2.67	4.20	3.80	6.71	4.03	3.60	3.44	3.26	2.96	
14	2.43	2.35	2.73	2.67	4.20	3.79	6.61	3.96	3.60	3.43	3.25	2.95	
15	2.42	2.35	2.73	2.66	4.15	3.80	6.51	3.93	3.60	3.43	3.24	2.94	
16	2.42	2.37	2.72	2.65	4.12	3.77	6.45	3.89	3.59	3.42	3.23	2.93	
17	2.41	2.36	2.73	2.66	4.07	3.73	6.54	3.86	3.59	3.42	3.22	2.92	
18	2.41	2.48	2.75	2.65	4.09	3.76	6.53	3.81	3.58	3.42	3.21	2.92	
19	2.40	2.48	2.72	2.64	4.09	3.76	6.42	3.77	3.58	3.42	3.20	2.93	
20	2.39	2.47	2.71	2.64	4.16	3.72	6.30	3.74	3.57	3.42	3.19	2.93	
21	2.38	2.47	2.71	2.64	4.17	3.71	6.19	3.70	3.56	3.41	3.17	2.93	
22	2.37	2.46	2.70	2.64	4.28	3.67	6.08	3.67	3.56	3.41	3.15	2.91	
23	2.37	2.46	2.70	2.65	4.53	3.64	5.88	3.66	3.55	3.40	3.14	2.91	
24	2.36	2.45	2.70	2.65	4.63	3.61	5.40	3.66	3.54	3.40	3.12	2.90	
25	2.36	2.66	2.69	2.68	4.60	3.59	4.73	3.65	3.53	3.39	3.10	2.90	
26	2.36	2.69	2.71	2.69	4.55	3.59	4.35	3.65	3.52	3.39	3.10	2.90	
27	2.35	2.72	2.76	2.72	4.53	3.57	4.13	3.64	3.52	3.38	3.09	2.88	
28	2.34	2.72	2.77	2.72	4.49	3.60	3.98	3.65	3.52	3.37	3.08	2.88	
29	2.34	2.72	2.77	2.72	4.39	3.62	3.92	3.65	3.51	3.37	3.08	2.87	
30	2.35	2.76	2.77	2.76	4.32	3.74	3.85	3.67	3.51	3.36		2.86	
31		2.77		2.79	4.21		3.82		3.50	3.36		2.86	
MEAN	2.43	2.47	2.74	2.70	3.89	3.80	5.13	3.91	3.57	3.43	3.23	2.95	
MAX	2.53	2.77	2.77	2.79	4.63	4.13	6.71	4.30	3.66	3.50	3.38	3.06	6.71
MIN	2.34	2.35	2.69	2.64	2.79	3.57	3.82	3.64	3.50	3.36	3.08	2.86	2.34

ANNUAL MAX MOMENTARY GAGE HEIGHT 6.74 M (A.D), AT 6.00 HOURS, ON OCT 13, 1983
ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D), RIVER BED 0.36 M (A.D)
LEFT BANK ELEVATION 8.87 M (A.D)
RIGHT BANK ELEVATION 8.89 M (A.D), DRAINAGE AREA 1156 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.00	0.00	0.00	0.00	0.00	14.95	7.48	9.40	3.64	0.00	0.00	0.00	
2	0.00	0.00	0.00	0.00	0.00	12.04	7.96	11.80	2.68	0.00	0.00	0.00	
3	0.00	0.00	0.00	0.00	0.00	10.36	9.16	15.45	1.10	0.00	0.00	0.00	
4	0.00	0.00	0.00	0.00	0.00	8.68	16.70	18.20	0.66	0.00	0.00	0.00	
5	0.00	0.00	0.00	0.00	0.00	9.16	28.44	19.20	1.10	0.00	0.00	0.00	
6	0.00	0.00	0.00	0.00	0.24	14.45	30.41	18.45	1.54	0.00	0.00	0.00	
7	0.00	0.00	0.00	0.00	1.20	13.48	27.02	17.70	1.98	0.00	0.00	0.00	
8	0.00	0.00	0.00	0.00	2.76	11.08	23.70	16.45	2.20	0.00	0.00	0.00	
9	0.00	0.00	0.00	0.00	5.52	10.12	20.45	16.20	2.20	0.00	0.00	0.00	
10	0.00	0.00	0.00	0.00	9.05	8.92	18.45	15.20	2.20	0.00	0.00	0.00	
11	0.00	0.00	0.00	0.00	13.04	8.44	59.00	13.72	2.44	0.00	0.00	0.00	
12	0.00	0.00	0.00	0.00	17.00	7.72	100.20	13.48	2.44	0.00	0.00	0.00	
13	0.00	0.00	0.00	0.00	18.40	7.00	204.10	12.52	2.20	0.00	0.00	0.00	
14	0.00	0.00	0.00	0.00	18.40	6.76	170.30	10.84	2.20	0.00	0.00	0.00	
15	0.00	0.00	0.00	0.00	15.45	7.00	146.30	10.12	2.20	0.00	0.00	0.00	
16	0.00	0.00	0.00	0.00	14.70	6.28	135.00	9.16	1.98	0.00	0.00	0.00	
17	0.00	0.00	0.00	0.00	13.48	5.32	153.20	8.44	1.98	0.00	0.00	0.00	
18	0.00	0.00	0.00	0.00	13.96	6.04	150.90	7.24	1.76	0.00	0.00	0.00	
19	0.00	0.00	0.00	0.00	13.96	6.04	129.60	6.28	1.76	0.00	0.00	0.00	
20	0.00	0.00	0.00	0.00	15.70	5.08	111.00	5.56	1.54	0.00	0.00	0.00	
21	0.00	0.00	0.00	0.00	15.95	4.84	98.00	4.60	1.32	0.00	0.00	0.00	
22	0.00	0.00	0.00	0.00	18.70	3.88	87.30	3.88	1.32	0.00	0.00	0.00	
23	0.00	0.00	0.00	0.00	25.05	3.16	72.40	3.64	1.10	0.00	0.00	0.00	
24	0.00	0.00	0.00	0.00	27.87	2.44	51.00	3.64	0.88	0.00	0.00	0.00	
25	0.00	0.00	0.00	0.00	27.02	1.98	30.70	3.40	0.66	0.00	0.00	0.00	
26	0.00	0.00	0.00	0.00	25.61	1.98	20.45	3.40	0.44	0.00	0.00	0.00	
27	0.00	0.00	0.00	0.00	25.05	1.54	14.95	3.16	0.44	0.00	0.00	0.00	
28	0.00	0.00	0.00	0.00	23.95	2.20	11.32	3.40	0.44	0.00	0.00	0.00	
29	0.00	0.00	0.00	0.00	21.45	2.68	9.88	3.40	0.22	0.00	0.00	0.00	
30	0.00	0.00	0.00	0.00	19.70	5.56	8.20	3.88	0.22	0.00		0.00	
31		0.00		0.00	16.95		7.48		0.00	0.00		0.00	
TOTAL	0.00	0.00	0.00	0.00	420.16	209.18	1961.05	291.81	46.84	0.00	0.00	0.00	2929.04 CMSDAY
MEAN	0.00	0.00	0.00	0.00	13.55	6.97	63.26	9.73	1.51	0.00	0.00	0.00	8.00 CMS
MAX	0.00	0.00	0.00	0.00	27.87	14.95	204.10	19.20	3.64	0.00	0.00	0.00	204.10 CMS
MIN	0.00	0.00	0.00	0.00	0.00	1.54	7.48	3.16	0.00	0.00	0.00	0.00	0.00 CMS
RUNOFF	0.000	0.000	0.000	0.000	36.302	18.073	169.435	25.212	4.047	0.000	0.000	0.000	253.069 MCM

MOMENTARY PEAK 216.40 CMS, AT 6.74 M (A.D), AT 6.00 HOURS, ON OCT 13, 1983
RUNOFF YIELD 6.92 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 187.20 LITERS/SECOND/SQUARE KM

WATER YEAR 1983

MUN RIVER BASIN

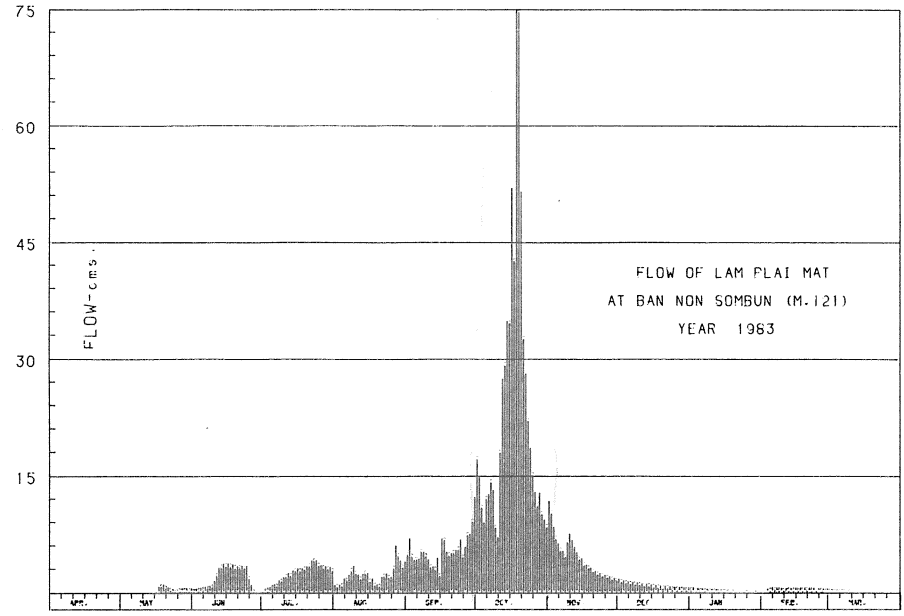
HUAI LAM PLAI MAT AT BAN NON SOMBUN, NAKHON RATCHASIMA (M.121)

LOCATION	LAT. 14°-18'-27" N., LONG. 102°-26'-22" E., ON LEFT BANK ABOUT 4 KILOMETERS UPSTREAM FROM BAN NON SOMBUN, AMPHOE SOENG SANG, NAKHON RATCHASIMA.
DRAINAGE AREA	487 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM	+231.55 M.(M.S.L.)
BENCH MARK	B.M.-H.D.
LOCATION	ON LEFT BANK ABOUT 46 METERS FROM THE TOP OF STAFF GAGE.
ELEVATION	+243.379 M.(M.S.L.)
GAGE READING FREQUENCY	5-TIME DAILY READINGS AT 06.00, 09.00, 12.00, 15.00 AND 18.00 HOURS.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 5 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1983 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1983 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1983 TO DATE.
STABILITY OF CHANNEL REGIMES	STABLE
OVERBANK FLOW CONDITIONS	OVERBANK FLOW STARTS AT ELEVATION +237.17 M.(M.S.L.) AND IS INCLUDED.
GENERAL DESCRIPTION	RECORDS POOR. STREAM GAGING BEGAN ON MAY 1, 1983. STAGE-DISCHARGE RELATION DEFINED BY 68 DISCHARGE MEASUREMENTS MADE IN 1983.

GAGE HEIGHT IN METER (MSL), WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	*******	231.85	232.16	232.11	232.41	233.57	235.02	234.45	232.74	232.23	232.03	232.15	
2	*******	231.85	232.18	232.16	232.45	233.84	234.79	234.29	232.71	232.26	232.09	232.13	
3	*******	231.85	232.21	232.22	232.44	233.53	234.38	234.03	232.68	232.19	232.16	232.12	
4	*******	231.85	232.24	232.29	232.49	233.38	234.10	233.88	232.66	232.22	232.22	232.12	
5	*******	231.85	232.28	232.40	232.75	233.46	234.52	233.75	232.64	232.19	232.28	232.10	
6	*******	231.83	232.31	232.47	232.77	233.42	234.56	233.66	232.62	232.18	232.27	232.09	
7	*******	231.83	232.34	232.49	232.91	233.63	234.75	233.60	232.61	232.17	232.25	232.09	
8	*******	231.83	232.38	232.68	233.15	233.58	234.62	233.53	232.60	232.16	232.23	232.07	
9	*******	231.82	232.42	232.73	233.22	233.54	234.06	233.77	232.58	232.15	232.22	232.07	
10	*******	231.82	232.65	232.81	233.05	233.40	233.86	233.97	232.57	232.14	232.22	232.05	
11	*******	231.81	232.99	232.92	232.92	233.25	235.08	233.81	232.52	232.13	232.22	232.03	
12	*******	231.80	233.16	232.99	232.82	233.20	235.64	233.75	232.51	232.13	232.24	232.02	
13	*******	231.77	233.25	232.98	232.95	233.18	235.73	233.57	232.50	232.12	232.22	231.99	
14	*******	231.74	233.29	233.07	233.05	233.44	235.94	233.46	232.49	232.11	232.24	232.01	
15	*******	231.74	233.30	233.12	232.99	232.96	235.94	233.43	232.45	232.10	232.23	232.00	
16	*******	231.93	233.30	233.14	232.72	233.84	236.37	233.32	232.44	232.09	232.23	232.00	
17	*******	232.29	233.28	233.13	232.76	233.85	236.16	233.26	232.42	232.08	232.24	232.00	
18	*******	232.44	233.27	233.14	232.54	233.58	237.00	233.22	232.41	232.08	232.24	231.96	
19	*******	232.46	233.24	233.18	232.47	233.56	236.99	233.16	232.39	232.07	232.25	231.95	
20	*******	232.35	233.21	233.20	232.47	233.55	236.36	233.10	232.38	232.06	232.24	231.94	
21	*******	232.28	233.23	233.28	232.82	233.61	235.87	233.06	232.37	232.06	232.24	231.92	
22	*******	232.22	233.22	233.37	232.94	233.62	235.67	233.02	232.37	232.05	232.23	231.93	
23	*******	232.15	233.21	233.41	232.97	233.69	235.36	232.99	232.34	232.05	232.23	231.95	
24	*******	232.11	233.22	233.38	232.89	233.82	235.10	232.95	232.32	232.06	232.22	231.97	
25	*******	232.11	232.84	233.30	232.82	233.51	234.84	232.91	232.30	232.05	232.20	231.97	
26	*******	232.18	232.43	233.24	233.21	233.68	234.59	232.89	232.28	232.04	232.19	231.97	
27	*******	232.20	232.12	233.23	233.71	233.94	234.41	232.85	232.28	232.02	232.16	232.01	
28	*******	232.21	232.05	233.21	233.54	233.92	234.58	232.81	232.27	232.05	232.15	232.01	
29	*******	232.21	232.04	233.19	233.37	234.15	234.28	232.78	232.26	232.02	232.16	232.00	
30	*******	232.22	232.03	233.18	233.24	234.51	234.15	232.76	232.26	232.01		231.99	
31		232.20		233.14	233.34		234.07		232.26	232.01		231.97	
MEAN	*******	232.03	232.73	232.94	232.91	233.61	235.12	233.40	232.46	232.11	232.21	232.02	
MAX	*******	232.46	233.30	233.41	233.71	234.51	237.00	234.45	232.74	232.26	232.28	232.15	237.00
MIN	*******	231.74	232.03	232.11	232.41	232.96	233.86	232.76	232.26	232.01	232.03	231.92	*******

ANNUAL MAX MOMENTARY GAGE HEIGHT 237.67 M (MSL), AT 20.00 HOURS, ON OCT 18, 1983
ZERO GAGE AT BOTTOM ELEVATION 231.55 M (MSL), RIVER BED 231.80 M (MSL)
LEFT BANK ELEVATION 237.81 M (MSL)
RIGHT BANK ELEVATION 237.16 M (MSL), DRAINAGE AREA 487 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	*******	0.05	0.52	0.42	1.02	5.22	17.48	11.80	1.82	0.66	0.26	0.50	
2	*******	0.05	0.56	0.52	1.10	6.98	14.90	10.52	1.73	0.72	0.38	0.46	
3	*******	0.05	0.62	0.64	1.08	4.98	11.24	8.44	1.64	0.58	0.52	0.44	
4	*******	0.05	0.68	0.78	1.18	4.20	9.00	7.26	1.58	0.64	0.64	0.44	
5	*******	0.05	0.76	1.00	1.85	4.60	12.36	6.35	1.52	0.58	0.76	0.40	
6	*******	0.03	0.82	1.14	1.91	4.40	12.68	5.76	1.46	0.56	0.74	0.38	
7	*******	0.03	0.88	1.18	2.33	5.58	14.50	5.40	1.43	0.54	0.70	0.38	
8	*******	0.03	0.96	1.64	3.20	5.28	13.20	4.98	1.40	0.52	0.66	0.34	
9	*******	0.02	1.04	1.79	3.48	5.04	8.68	6.49	1.36	0.50	0.64	0.34	
10	*******	0.02	1.55	2.03	2.80	4.30	7.12	7.96	1.34	0.48	0.64	0.30	
11	*******	0.01	2.57	2.36	2.36	3.60	18.32	6.77	1.24	0.46	0.64	0.26	
12	*******	0.00	3.24	2.57	2.06	3.40	27.48	6.35	1.22	0.46	0.68	0.24	
13	*******	0.00	3.60	2.54	2.45	3.32	29.52	5.22	1.20	0.44	0.64	0.19	
14	*******	0.00	3.76	2.88	2.80	4.50	34.88	4.60	1.18	0.42	0.68	0.22	
15	*******	0.00	3.80	3.08	2.57	2.48	34.88	4.45	1.10	0.40	0.66	0.20	
16	*******	0.13	3.80	3.16	1.76	6.98	52.02	3.90	1.08	0.38	0.66	0.20	
17	*******	0.78	3.72	3.12	1.88	7.05	42.86	3.64	1.04	0.36	0.68	0.20	
18	*******	1.08	3.68	3.16	1.28	5.28	92.00	3.48	1.02	0.36	0.68	0.16	
19	*******	1.12	3.56	3.32	1.14	5.16	91.24	3.24	0.98	0.34	0.70	0.15	
20	*******	0.90	3.44	3.40	1.14	5.10	51.56	3.00	0.96	0.32	0.68	0.14	
21	*******	0.76	3.52	3.72	2.06	5.46	32.88	2.84	0.94	0.32	0.68	0.12	
22	*******	0.64	3.48	4.15	2.42	5.52	28.14	2.68	0.94	0.30	0.66	0.13	
23	*******	0.50	3.44	4.35	2.51	5.94	22.36	2.57	0.88	0.30	0.66	0.15	
24	*******	0.42	3.48	4.20	2.27	6.84	18.60	2.45	0.84	0.32	0.64	0.17	
25	*******	0.42	2.12	3.80	2.06	4.86	15.40	2.33	0.80	0.30	0.60	0.17	
26	*******	0.56	1.06	3.56	3.44	5.88	12.92	2.27	0.76	0.28	0.58	0.17	
27	*******	0.60	0.44	3.52	6.07	7.72	11.48	2.15	0.76	0.24	0.52	0.22	
28	*******	0.62	0.30	3.44	5.04	7.56	12.84	2.03	0.74	0.30	0.50	0.22	
29	*******	0.62	0.28	3.36	4.15	9.40	10.44	1.94	0.72	0.24	0.52	0.20	
30	*******	0.64	0.26	3.32	3.56	12.28	9.40	1.88	0.72	0.22		0.19	
31		0.60		3.16	4.00		8.76		0.72	0.22		0.17	
TOTAL	*******	10.78	61.94	81.31	76.97	168.91	779.14	142.75	35.12	12.76	18.00	7.85	******** CMSDAY
MEAN	*******	0.35	2.06	2.62	2.48	5.63	25.13	4.76	1.13	0.41	0.62	0.25	******** CMS
MAX	*******	1.12	3.80	4.35	6.07	12.28	92.00	11.80	1.82	0.72	0.76	0.50	92.00 CMS
MIN	*******	0.00	0.26	0.42	1.02	2.48	7.12	1.88	0.72	0.22	0.26	0.12	******** CMS
RUNOFF	*******	0.931	5.352	7.025	6.650	14.594	67.318	12.334	3.034	1.102	1.555	0.678	******** MCM

MOMENTARY PEAK 164.08 CMS, AT 237.67 M (MSL), AT 20.00 HOURS, ON OCT 18, 1983

RUNOFF YIELD ********* LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 336.92 LITERS/SECOND/SQUARE KM

WATER YEAR 1983

TONLE SAP BASIN

HUAI PHROM HOT AT BAN DAN, PRACHIN BURI (TL.1)

LOCATION — LAT. 13°-43'-12" N., LONG. 102°-28'-06" E., ON LEFT BANK NEAR THE BRIDGE OF PRACHIN BURI-ARANYAPRATHET HIGHWAY, ABOUT 7 KILOMETERS WEST OF ARANYAPRATHET, AMPHOE ARANYAPRATHET, PRACHIN BURI.

DRAINAGE AREA — 571 SQ.KM.

TYPE OF GAGE — STAFF GAGE.

ZERO GAGE AT BOTTOM — +0.00 M. (A.D.)

BENCH MARK — B.M.-H.D.

LOCATION — NEAR THE GAGE SITE.

ELEVATION — +6.02 M. (A.D.)

GAGE READING FREQUENCY — 5-TIME DAILY READINGS AT 06.00, 09.00, 12.00, 15.00 AND 18.00 HOURS.

BASIS OF MEAN DAILY GAGE HEIGHT — ARITHMETIC MEAN OF 5 READINGS.

PERIOD OF AVAILABLE GAGE RECORDS — 1964 TO DATE.

RATING OPERATION

PERIOD OF RATING — 1964-1965, 1982 TO DATE.

RATED BY FLOAT — -

RATED BY CURRENT METER — 1964-1965, 1982 TO DATE.

STABILITY OF CHANNEL REGIMES — STABLE.

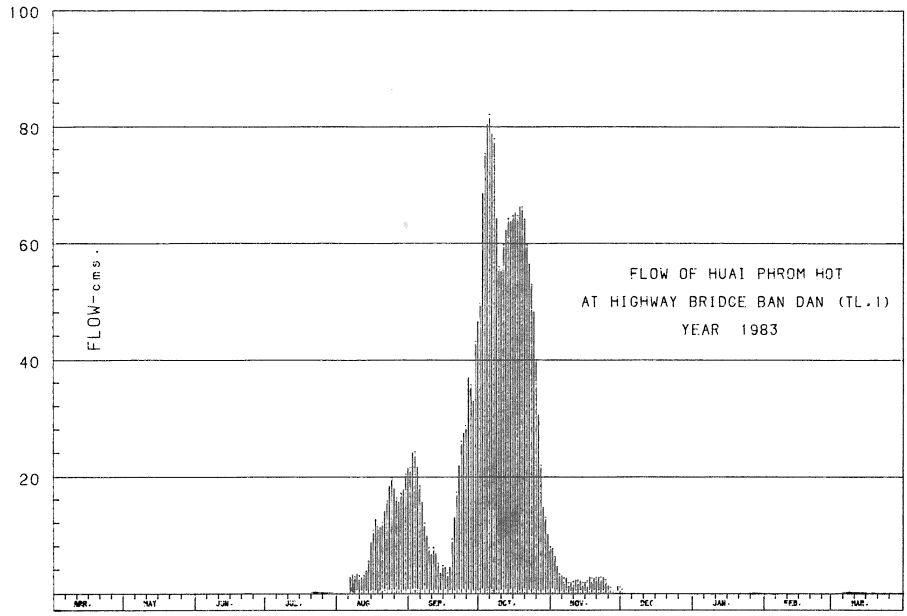
OVERBANK FLOW CONDITIONS — NO OVERBANK FLOW.

GENERAL DESCRIPTION — RECORDS GOOD. STAGE-DISCHARGE RELATION DEFINED BY 37 DISCHARGE MEASUREMENTS MADE IN 1983.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.84	0.85	0.85	0.86	1.15	4.51	6.01	2.92	1.77	1.20	1.07	1.09	
2	0.84	0.85	0.85	0.86	1.12	4.73	6.42	2.73	1.57	1.20	1.07	1.09	
3	0.84	0.86	0.85	0.86	1.11	4.74	6.52	2.50	1.56	1.20	1.09	1.10	
4	0.83	0.86	0.85	0.86	1.26	4.52	6.58	2.29	1.59	1.19	1.10	1.10	
5	0.83	0.86	0.85	0.85	1.55	4.20	6.60	2.22	1.63	1.17	1.10	1.10	
6	0.83	0.85	0.85	0.85	2.20	3.89	6.56	2.14	1.61	1.17	1.09	1.10	
7	0.83	0.85	0.85	0.85	2.25	3.49	6.55	2.14	1.56	1.16	1.09	1.10	
8	0.83	0.86	0.85	0.85	2.19	3.20	6.34	1.98	1.45	1.16	1.09	1.09	
9	0.83	0.86	0.86	0.87	2.28	2.94	6.17	1.98	1.45	1.16	1.10	1.09	
10	0.83	0.86	0.88	0.99	2.22	2.78	6.15	2.02	1.34	1.15	1.10	1.09	
11	0.83	0.87	0.88	1.03	2.15	2.94	6.25	2.07	1.27	1.15	1.10	1.09	
12	0.83	0.92	0.87	1.13	2.23	2.80	6.30	2.07	1.23	1.14	1.10	1.09	
13	0.83	0.93	0.87	1.12	2.39	2.58	6.34	2.04	1.28	1.13	1.11	1.09	
14	0.82	0.89	0.86	1.12	2.63	2.31	6.33	1.99	1.30	1.12	1.11	1.09	
15	0.82	0.87	0.86	1.12	3.05	2.52	6.35	2.00	1.27	1.11	1.12	1.08	
16	0.82	0.85	0.86	1.18	3.33	2.48	6.36	2.04	1.25	1.11	1.13	1.08	
17	0.82	0.85	0.85	1.27	3.56	2.32	6.35	2.17	1.23	1.11	1.13	1.08	
18	0.82	0.85	0.85	1.35	3.41	2.48	6.38	2.14	1.21	1.10	1.13	1.08	
19	0.82	0.85	0.85	1.39	3.40	3.13	6.38	2.13	1.21	1.10	1.12	1.08	
20	0.82	0.85	0.85	1.36	3.50	3.59	6.34	2.16	1.19	1.09	1.11	1.08	
21	0.80	0.84	0.85	1.29	3.71	4.07	6.25	2.16	1.19	1.09	1.09	1.07	
22	0.80	0.84	0.85	1.28	3.91	4.54	6.18	2.17	1.19	1.09	1.09	1.09	
23	0.80	0.83	0.89	1.24	4.19	4.89	6.10	2.15	1.19	1.09	1.09	1.06	
24	0.80	0.83	0.87	1.19	4.34	5.00	5.97	2.08	1.19	1.09	1.09	1.01	
25	0.80	0.82	0.86	1.17	4.14	5.10	5.69	1.87	1.19	1.08	1.09	1.03	
26	0.83	0.82	0.86	1.20	3.97	5.56	5.22	1.82	1.19	1.08	1.09	1.01	
27	0.87	0.83	0.86	1.19	3.89	5.50	4.55	1.72	1.19	1.08	1.09	0.96	
28	0.86	0.83	0.88	1.13	4.05	5.36	3.79	1.71	1.19	1.08	1.09	0.95	
29	0.85	0.84	0.87	1.16	4.12	5.81	3.60	1.85	1.19	1.08	1.09	0.95	
30	0.85	0.85	0.87	1.16	4.40	5.92	3.24	1.83	1.21	1.07		0.94	
31		0.85		1.16	4.50		2.95		1.20	1.07		0.94	
MEAN	0.83	0.85	0.86	1.09	2.97	3.93	5.83	2.10	1.33	1.12	1.10	1.06	
MAX	0.87	0.93	0.89	1.39	4.50	5.92	6.60	2.92	1.77	1.20	1.13	1.10	6.60
MIN	0.80	0.82	0.85	0.85	1.11	2.31	2.95	1.71	1.19	1.07	1.07	0.94	0.80

ANNUAL MAX MOMENTARY GAGE HEIGHT 6.60 M (A.D), AT 18.00 HOURS, ON OCT 5, 1983
ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D), RIVER BED 0.00 M (A.D)
LEFT BANK ELEVATION 7.96 M (A.D)
RIGHT BANK ELEVATION 7.96 M (A.D), DRAINAGE AREA 571 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.00	0.00	0.00	0.00	0.00	21.61	49.67	7.80	0.85	0.00	0.00	0.00	
2	0.00	0.00	0.00	0.00	0.00	24.16	68.58	6.38	0.00	0.00	0.00	0.00	
3	0.00	0.00	0.00	0.00	0.00	24.28	75.38	4.70	0.00	0.00	0.00	0.00	
4	0.00	0.00	0.00	0.00	0.00	21.72	80.42	3.45	0.00	0.00	0.00	0.00	
5	0.00	0.00	0.00	0.00	0.00	18.50	82.10	3.10	0.15	0.00	0.00	0.00	
6	0.00	0.00	0.00	0.00	3.00	15.71	78.74	2.70	0.05	0.00	0.00	0.00	
7	0.00	0.00	0.00	0.00	3.25	12.17	77.90	2.70	0.00	0.00	0.00	0.00	
8	0.00	0.00	0.00	0.00	2.95	9.90	64.27	1.90	0.00	0.00	0.00	0.00	
9	0.00	0.00	0.00	0.00	3.40	7.95	56.05	1.90	0.00	0.00	0.00	0.00	
10	0.00	0.00	0.00	0.00	3.10	6.75	55.18	2.10	0.00	0.00	0.00	0.00	
11	0.00	0.00	0.00	0.00	2.75	7.95	59.80	2.35	0.00	0.00	0.00	0.00	
12	0.00	0.00	0.00	0.00	3.15	6.90	62.25	2.35	0.00	0.00	0.00	0.00	
13	0.00	0.00	0.00	0.00	3.95	5.26	64.27	2.20	0.00	0.00	0.00	0.00	
14	0.00	0.00	0.00	0.00	5.63	3.55	63.76	1.95	0.00	0.00	0.00	0.00	
15	0.00	0.00	0.00	0.00	8.77	4.84	64.77	2.00	0.00	0.00	0.00	0.00	
16	0.00	0.00	0.00	0.00	10.87	4.56	65.28	2.20	0.00	0.00	0.00	0.00	
17	0.00	0.00	0.00	0.00	12.76	3.60	64.77	2.85	0.00	0.00	0.00	0.00	
18	0.00	0.00	0.00	0.00	11.48	4.56	66.29	2.70	0.00	0.00	0.00	0.00	
19	0.00	0.00	0.00	0.00	11.40	9.38	66.29	2.65	0.00	0.00	0.00	0.00	
20	0.00	0.00	0.00	0.00	12.25	13.02	64.27	2.80	0.00	0.00	0.00	0.00	
21	0.00	0.00	0.00	0.00	14.09	17.33	59.80	2.80	0.00	0.00	0.00	0.00	
22	0.00	0.00	0.00	0.00	15.89	21.94	56.48	2.85	0.00	0.00	0.00	0.00	
23	0.00	0.00	0.00	0.00	18.41	26.08	53.00	2.75	0.00	0.00	0.00	0.00	
24	0.00	0.00	0.00	0.00	19.90	27.50	48.28	2.40	0.00	0.00	0.00	0.00	
25	0.00	0.00	0.00	0.00	17.96	28.80	40.05	1.35	0.00	0.00	0.00	0.00	
26	0.00	0.00	0.00	0.00	16.43	36.98	30.62	1.10	0.00	0.00	0.00	0.00	
27	0.00	0.00	0.00	0.00	15.71	35.75	22.05	0.60	0.00	0.00	0.00	0.00	
28	0.00	0.00	0.00	0.00	17.15	32.98	14.81	0.55	0.00	0.00	0.00	0.00	
29	0.00	0.00	0.00	0.00	17.78	43.20	13.10	1.25	0.00	0.00	0.00	0.00	
30	0.00	0.00	0.00	0.00	20.50	46.58	10.20	1.15	0.00	0.00		0.00	
31		0.00		0.00	21.50		8.03		0.00	0.00		0.00	
TOTAL	0.00	0.00	0.00	0.00	294.03	543.51	1686.46	77.58	1.05	0.00	0.00	0.00	2602.63 CMSDAY
MEAN	0.00	0.00	0.00	0.00	9.48	18.12	54.40	2.59	0.03	0.00	0.00	0.00	7.11 CMS
MAX	0.00	0.00	0.00	0.00	21.50	46.58	82.10	7.80	0.85	0.00	0.00	0.00	82.10 CMS
MIN	0.00	0.00	0.00	0.00	0.00	3.55	8.03	0.55	0.00	0.00	0.00	0.00	0.00 CMS
RUNOFF	0.000	0.000	0.000	0.000	25.404	46.959	145.710	6.703	0.091	0.000	0.000	0.000	224.867 MCM

MOMENTARY PEAK 82.10 CMS, AT 6.60 M (A.D), AT 18.00 HOURS, ON OCT 5, 1983

RUNOFF YIELD 12.45 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 143.78 LITERS/SECOND/SQUARE KM

WATER YEAR 1983

NAKHON NAYOK RIVER BASIN

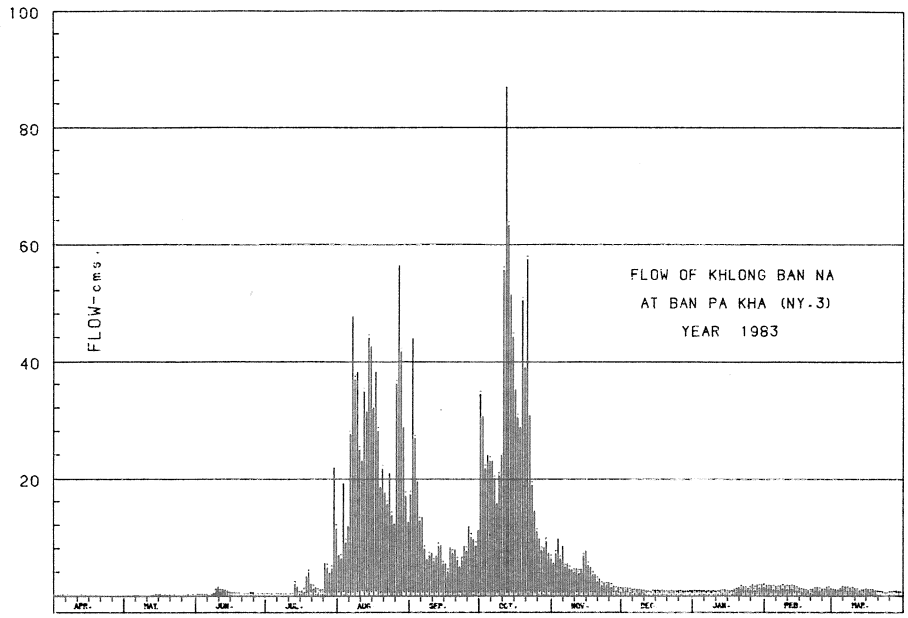
KHLONG BAN NA AT BAN PA KHA, NAKHON NAYOK (NY.3)

LOCATION	LAT. 14°-17'-07" N., LONG. 101°-04'-26" E., ON LEFT BANK NEAR WAT BAN PA KHA, TAMBON PA KHA, AMPHOE BAN NA, NAKHON NAYOK.
DRAINAGE AREA	203 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM	+0.00 M. (A.D.)
BENCH MARK	B.M.-H.D.
LOCATION	ABOUT 10 METERS FROM THE TOP OF STAFF GAGE.
ELEVATION	+5.168 M. (A.D.)
GAGE READING FREQUENCY	5-TIME DAILY READINGS AT 06.00, 09.00, 12.00, 15.00 AND 18.00 HOURS.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 5 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1977 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1977 - 1978, 1980.
RATED BY FLOAT	-
RATED BY CURRENT METER	1977 - 1978, 1980.
STABILITY OF CHANNEL REGIMES	FAIRLY STABLE.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS FAIR. STAGE-DISCHARGE RELATION DEFINED BY 65 DISCHARGE MEASUREMENTS MADE DURING 1977-1980.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.50	0.36	0.59	0.67	1.55	2.34	3.36	1.43	0.92	0.83	0.99	0.85	
2	0.52	0.38	0.60	0.67	1.56	3.86	3.12	1.61	0.92	0.83	0.99	0.85	
3	0.53	0.41	0.59	0.64	2.43	2.93	2.63	1.78	0.92	0.82	0.98	0.83	
4	0.52	0.41	0.60	0.61	1.78	2.45	2.73	1.54	0.90	0.82	0.98	0.89	
5	0.52	0.42	0.57	0.65	1.94	2.05	2.71	1.68	0.88	0.81	0.96	0.95	
6	0.52	0.35	0.57	0.67	2.97	2.05	2.67	1.41	0.87	0.80	0.96	0.94	
7	0.51	0.24	0.55	0.65	4.06	1.69	2.51	1.42	0.87	0.81	0.98	0.93	
8	0.50	0.24	0.69	0.65	3.51	1.49	2.21	1.38	0.86	0.80	1.00	0.91	
9	0.49	0.28	0.87	0.64	3.55	1.59	2.54	1.32	0.85	0.81	0.97	0.92	
10	0.48	0.27	0.95	0.63	2.82	1.58	2.73	1.33	0.83	0.80	0.98	0.89	
11	0.49	0.33	0.87	0.62	2.67	1.50	4.48	1.34	0.81	0.81	0.98	0.87	
12	0.47	0.47	0.88	0.69	3.39	1.54	5.87	1.32	0.80	0.83	0.99	0.80	
13	0.46	0.59	0.84	1.07	3.17	1.72	4.86	1.33	0.79	0.84	0.98	0.83	
14	0.45	0.57	0.81	0.95	3.89	1.69	4.25	1.57	0.83	0.86	0.94	0.85	
15	0.44	0.55	0.75	0.78	3.79	1.46	3.91	1.61	0.84	0.82	0.91	0.87	
16	0.46	0.55	0.73	0.81	3.24	1.42	3.38	1.45	0.83	0.81	0.88	0.85	
17	0.46	0.52	0.72	0.91	3.55	1.33	3.14	1.36	0.82	0.82	0.88	0.84	
18	0.46	0.48	0.72	1.18	3.01	1.66	3.01	1.28	0.83	0.87	0.84	0.86	
19	0.43	0.48	0.71	1.31	2.39	1.63	4.22	1.23	0.82	0.90	0.81	0.80	
20	0.38	0.46	0.68	1.02	2.62	1.63	3.59	1.17	0.82	0.93	0.85	0.80	
21	0.35	0.47	0.67	1.00	2.33	1.52	4.57	1.13	0.82	0.98	0.87	0.77	
22	0.34	0.48	0.67	0.93	2.24	1.37	3.13	1.06	0.82	0.96	0.91	0.76	
23	0.33	0.48	0.65	0.90	2.54	1.52	2.45	1.05	0.81	0.94	0.93	0.70	
24	0.33	0.46	0.74	0.87	2.11	1.68	2.12	1.05	0.80	0.90	0.91	0.71	
25	0.32	0.47	0.72	0.85	1.97	1.67	1.91	1.06	0.83	0.95	0.87	0.75	
26	0.30	0.48	0.64	1.43	3.46	1.94	1.78	1.03	0.82	1.01	0.87	0.75	
27	0.30	0.50	0.66	1.41	4.50	1.85	1.67	0.97	0.81	0.96	0.94	0.77	
28	0.30	0.51	0.68	1.25	3.77	1.77	1.66	0.95	0.80	1.00	0.94	0.80	
29	0.32	0.53	0.66	1.38	3.01	1.74	1.79	0.94	0.81	1.01	0.89	0.77	
30	0.34	0.56	0.65	2.60	2.34	1.89	1.58	0.92	0.82	1.01		0.75	
31		0.58		1.96	1.99		1.55		0.83	1.02		0.74	
MEAN	0.43	0.45	0.70	0.98	2.84	1.82	2.97	1.29	0.84	0.88	0.93	0.83	
MAX	0.53	0.59	0.95	2.60	4.50	3.86	5.87	1.78	0.92	1.02	1.00	0.95	5.87
MIN	0.30	0.24	0.55	0.61	1.55	1.33	1.55	0.92	0.79	0.80	0.81	0.70	0.24

ANNUAL MAX MOMENTARY GAGE HEIGHT 6.18 M (A.D), AT 6.00 HOURS, ON OCT 11, 1983
ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D), RIVER BED -0.37 M (A.D)
LEFT BANK ELEVATION 6.75 M (A.D)
RIGHT BANK ELEVATION 6.79 M (A.D), DRAINAGE AREA 203 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.20	0.06	0.29	0.44	7.00	17.87	34.90	5.66	1.42	0.98	1.84	1.08	
2	0.22	0.08	0.30	0.44	7.12	43.99	30.74	7.72	1.42	0.98	1.84	1.08	
3	0.23	0.11	0.29	0.38	19.28	27.51	22.50	9.80	1.42	0.94	1.78	0.98	
4	0.22	0.11	0.30	0.32	9.80	19.60	24.14	6.88	1.30	0.94	1.78	1.26	
5	0.22	0.12	0.27	0.40	11.96	13.52	23.81	8.56	1.21	0.90	1.66	1.60	
6	0.22	0.05	0.27	0.44	28.19	13.52	23.16	5.46	1.17	0.85	1.66	1.54	
7	0.21	0.00	0.25	0.40	47.79	8.68	20.56	5.56	1.17	0.90	1.78	1.48	
8	0.20	0.00	0.48	0.40	37.58	6.30	15.85	5.15	1.12	0.85	1.90	1.36	
9	0.19	0.00	1.17	0.38	38.30	7.48	21.04	4.55	1.08	0.90	1.72	1.42	
10	0.18	0.00	1.60	0.36	25.64	7.36	24.14	4.65	0.98	0.85	1.78	1.26	
11	0.19	0.03	1.17	0.34	23.16	6.40	56.05	4.75	0.90	0.90	1.78	1.17	
12	0.17	0.17	1.21	0.48	35.43	6.88	87.01	4.55	0.85	0.98	1.84	0.85	
13	0.16	0.29	1.03	2.46	31.59	9.05	63.97	4.65	0.82	1.03	1.78	0.98	
14	0.15	0.27	0.90	1.60	44.56	8.68	51.45	7.24	0.98	1.12	1.54	1.08	
15	0.14	0.25	0.68	0.78	42.66	5.98	44.94	7.72	1.03	0.94	1.36	1.17	
16	0.16	0.25	0.61	0.90	32.80	5.56	35.25	5.88	0.98	0.90	1.21	1.08	
17	0.16	0.22	0.57	1.36	38.30	4.65	31.08	4.95	0.94	0.94	1.21	1.03	
18	0.16	0.18	0.57	3.34	28.87	8.32	28.87	4.18	0.98	1.17	1.03	1.12	
19	0.13	0.18	0.53	4.45	18.64	7.96	50.85	3.76	0.94	1.30	0.90	0.85	
20	0.08	0.16	0.46	2.06	22.33	7.96	39.02	3.26	0.94	1.48	1.08	0.85	
21	0.05	0.17	0.44	1.90	17.71	6.64	57.85	2.94	0.94	1.78	1.17	0.74	
22	0.04	0.18	0.44	1.48	16.32	5.05	30.91	2.38	0.94	1.66	1.36	0.71	
23	0.03	0.18	0.40	1.30	21.04	6.64	19.60	2.30	0.90	1.54	1.48	0.50	
24	0.03	0.16	0.64	1.17	14.39	8.56	14.54	2.30	0.85	1.30	1.36	0.53	
25	0.02	0.17	0.57	1.08	12.38	8.44	11.54	2.38	0.98	1.60	1.17	0.68	
26	0.00	0.18	0.38	5.66	36.68	11.96	9.80	2.14	0.94	1.98	1.17	0.68	
27	0.00	0.20	0.42	5.46	56.45	10.73	8.44	1.72	0.90	1.66	1.54	0.74	
28	0.00	0.21	0.46	3.93	42.29	9.68	8.32	1.60	0.85	1.90	1.54	0.85	
29	0.02	0.23	0.42	5.15	28.87	9.30	9.93	1.54	0.90	1.98	1.26	0.74	
30	0.04	0.26	0.40	22.00	17.87	11.27	7.36	1.42	0.94	1.98		0.68	
31		0.28		12.24	12.66		7.00		0.98	2.06		0.64	
TOTAL	3.82	4.75	17.52	83.10	827.66	325.54	914.62	135.65	31.77	39.29	43.52	30.73	2457.97 CMSDAY
MEAN	0.13	0.15	0.58	2.68	26.70	10.85	29.50	4.52	1.02	1.27	1.50	0.99	6.72 CMS
MAX	0.23	0.29	1.60	22.00	56.45	43.99	87.01	9.80	1.42	2.06	1.90	1.60	87.01 CMS
MIN	0.00	0.00	0.25	0.32	7.00	4.65	7.00	1.42	0.82	0.85	0.90	0.50	0.00 CMS
RUNOFF	0.330	0.410	1.514	7.180	71.510	28.127	79.023	11.720	2.745	3.395	3.760	2.655	212.369 MCM

MOMENTARY PEAK 94.74 CMS, AT 6.18 M (A.D), AT 6.00 HOURS, ON OCT 11, 1983

RUNOFF YIELD 33.08 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 466.70 LITERS/SECOND/SQUARE KM

WATER YEAR 1983

PRACHIN BURI RIVER BASIN

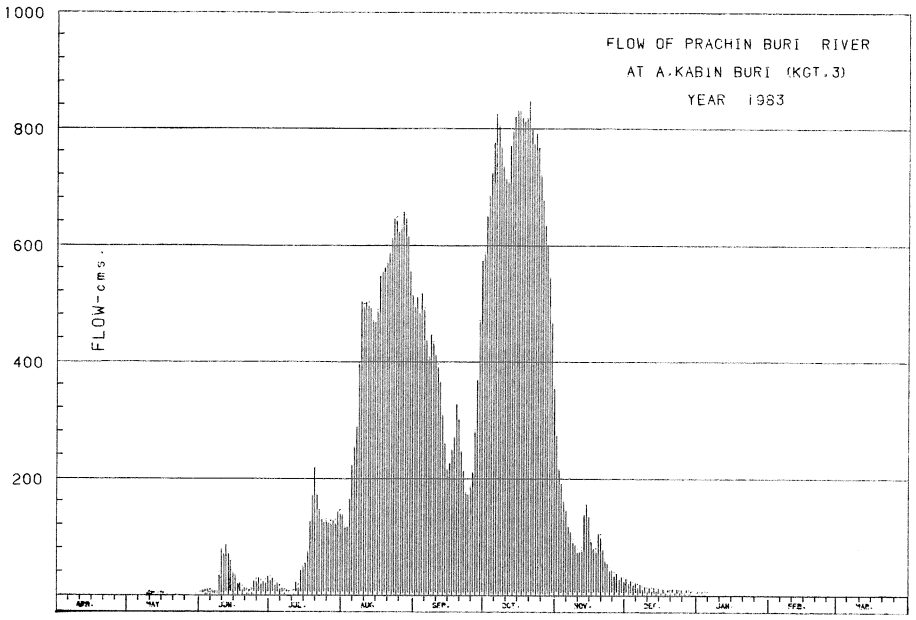
PRACHIN BURI RIVER AT KABIN BURI, PRACHIN BURI (KGT.3)

LOCATION	LAT. 13°-59'-05" N., LONG. 101°-42'-32" E., ON LEFT BANK INFRONT OF AMPHOE KABIN BURI OFFICE AND ABOUT 500 METERS DOWNSTREAM FROM THE CONFLUENCE OF LAM PRONG AND LAM HANUMAN, AMPHOE KABIN BURI, PRACHIN BURI.
DRAINAGE AREA	7,502 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM	-0.49 M. (M.S.L.)
BENCH MARK	B.M.-H.D.
LOCATION	ON LEFT BANK INFRONT OF AMPHOE KABIN BURI OFFICE.
ELEVATION	+10.795 M. (M.S.L.)
GAGE READING FREQUENCY	5-TIME DAILY READINGS AT 06.00, 09.00, 12.00, 15.00 AND 18.00 HOURS.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 5 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1941 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1941-1943, 1945, 1964 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1941-1943, 1945, 1964 TO DATE.
STABILITY OF CHANNEL REGIMES	STABLE.
OVERBANK FLOW CONDITIONS	OVERBANK FLOW STARTS AT ELEVATION +9.35 M.(A.D.) AND IS INCLUDED.
GENERAL DESCRIPTION	RECORDS GOOD. STAGE-DISCHARGE RELATION DEFINED BY 50 DISCHARGE MEASUREMENTS MADE IN 1983.

GAGE HEIGHT IN METER (MSL), WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.45	0.32	0.75	1.74	4.04	8.45	9.13	6.00	1.63	0.83	0.33	0.25	
2	0.44	0.35	0.87	1.62	3.78	8.54	9.53	5.29	1.57	0.82	0.31	0.26	
3	0.43	0.39	0.92	1.47	3.69	8.35	9.75	4.88	1.51	0.84	0.30	0.24	
4	0.43	0.38	0.97	1.37	4.56	8.60	9.91	4.53	1.45	0.85	0.29	0.20	
5	0.43	0.38	0.97	1.26	5.33	8.40	10.14	4.18	1.40	0.81	0.28	0.17	
6	0.42	0.37	0.86	1.06	5.80	7.87	10.31	3.82	1.35	0.77	0.26	0.15	
7	0.41	0.38	0.80	0.99	6.18	7.59	10.26	3.54	1.31	0.74	0.26	0.14	
8	0.40	0.42	0.80	0.90	7.49	7.97	10.10	3.30	1.24	0.68	0.24	0.12	
9	0.40	0.57	1.98	0.84	8.48	7.85	9.98	3.09	1.19	0.65	0.23	0.11	
10	0.39	0.79	2.94	0.79	8.45	7.62	9.86	2.97	1.15	0.62	0.23	0.10	
11	0.39	0.72	2.93	0.91	8.47	7.46	9.86	2.85	1.13	0.59	0.22	0.08	
12	0.38	0.68	3.10	1.40	8.47	7.12	10.11	3.02	1.13	0.57	0.22	0.07	
13	0.38	0.65	2.92	1.30	8.38	6.49	10.22	4.06	1.14	0.55	0.22	0.06	
14	0.38	0.62	2.48	2.06	8.23	5.83	10.29	4.45	1.13	0.52	0.24	0.05	
15	0.38	0.76	2.12	2.36	8.16	5.28	10.35	4.01	1.10	0.50	0.23	0.05	
16	0.38	0.67	1.81	2.38	8.36	5.38	10.33	3.30	1.05	0.47	0.22	0.05	
17	0.37	0.59	1.55	2.95	8.83	5.75	10.31	2.97	1.02	0.47	0.22	0.03	
18	0.37	0.53	1.36	3.85	8.93	5.96	10.26	2.99	1.01	0.46	0.22	0.02	
19	0.35	0.50	1.20	4.67	8.94	6.72	10.30	3.49	1.00	0.43	0.23	0.03	
20	0.35	0.49	1.08	5.27	9.04	6.34	10.39	3.48	0.99	0.42	0.23	0.03	
21	0.35	0.48	1.00	4.69	9.12	5.71	10.24	2.94	1.03	0.41	0.23	0.02	
22	0.35	0.49	0.92	4.20	9.32	5.19	10.12	2.59	1.03	0.40	0.23	0.02	
23	0.34	0.47	1.03	4.03	9.51	4.72	10.21	2.37	1.02	0.40	0.22	0.01	
24	0.33	0.49	1.46	3.83	9.53	4.61	10.10	2.23	1.01	0.40	0.20	0.03	
25	0.32	0.46	1.64	3.94	9.36	4.85	9.91	2.10	0.96	0.43	0.19	0.08	
26	0.33	0.47	1.64	3.81	9.44	5.15	9.69	2.00	0.93	0.41	0.18	0.13	
27	0.33	0.44	1.54	3.89	9.58	6.12	9.48	1.91	0.99	0.39	0.22	0.09	
28	0.33	0.44	1.43	3.87	9.55	7.15	9.22	1.81	0.91	0.40	0.21	0.10	
29	0.31	0.43	1.58	3.91	9.31	8.19	8.85	1.73	0.86	0.39	0.23	0.13	
30	0.31	0.67	1.72	4.13	8.94	9.03	8.15	1.69	0.85	0.37		0.11	
31		0.64		4.19	8.57		7.04		0.84	0.35		0.16	
MEAN	0.37	0.52	1.55	2.70	7.93	6.81	9.82	3.25	1.13	0.55	0.24	0.10	
MAX	0.45	0.79	3.10	5.27	9.58	9.03	10.39	6.00	1.63	0.85	0.33	0.26	10.39
MIN	0.31	0.32	0.75	0.79	3.69	4.61	7.04	1.69	0.84	0.35	0.18	0.01	0.01

ANNUAL MAX MOMENTARY GAGE HEIGHT 10.89 M (MSL), AT 9.00 HOURS, ON OCT 20, 1983
ZERO GAGE AT BOTTOM ELEVATION -0.49 M (MSL), RIVER BED -0.43 M (MSL)
LEFT BANK ELEVATION 9.34 M (MSL)
RIGHT BANK ELEVATION 9.42 M (MSL), DRAINAGE AREA 7502 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	1.5	0.2	6.0	32.8	137.4	500.0	587.5	274.0	29.4	7.6	0.3	0.0	
2	1.4	0.5	8.4	29.1	121.8	510.8	649.1	220.3	27.6	7.4	0.1	0.0	
3	1.3	0.9	9.4	24.5	116.5	488.5	689.5	191.6	25.7	7.8	0.0	0.0	
4	1.3	0.8	10.4	21.4	169.2	518.0	724.2	167.1	23.9	8.0	0.0	0.0	
5	1.3	0.8	10.4	18.0	223.1	494.0	779.2	145.8	22.3	7.2	0.0	0.0	
6	1.2	0.7	8.2	12.2	258.0	437.0	825.7	124.2	20.8	6.4	0.0	0.0	
7	1.1	0.8	7.0	10.8	288.4	409.0	812.2	109.0	19.5	5.8	0.0	0.0	
8	1.0	1.2	7.0	9.0	399.1	447.0	768.0	97.0	17.3	4.7	0.0	0.0	
9	1.0	3.0	40.3	7.8	503.6	435.0	739.6	86.5	15.8	4.3	0.0	0.0	
10	0.9	6.8	79.0	6.8	500.0	412.0	713.2	80.5	14.5	3.8	0.0	0.0	
11	0.9	5.4	78.5	9.2	502.4	396.4	713.2	74.5	13.9	3.4	0.0	0.0	
12	0.8	4.7	87.0	22.3	502.4	365.8	770.8	83.0	13.9	3.0	0.0	0.0	
13	0.8	4.3	78.0	19.2	491.8	313.2	801.4	138.6	14.2	2.7	0.0	0.0	
14	0.8	3.8	59.2	42.8	475.3	260.4	820.3	162.0	13.9	2.3	0.0	0.0	
15	0.8	6.2	44.8	54.4	467.6	219.6	836.5	135.6	13.0	2.0	0.0	0.0	
16	0.8	4.5	35.0	55.2	489.6	226.6	831.1	97.0	12.0	1.7	0.0	0.0	
17	0.7	3.4	27.0	79.5	546.9	254.0	825.7	80.5	11.4	1.7	0.0	0.0	
18	0.7	2.4	21.1	126.0	559.9	270.8	812.2	81.5	11.2	1.6	0.0	0.0	
19	0.5	2.0	16.1	176.9	561.2	331.6	823.0	106.5	11.0	1.3	0.0	0.0	
20	0.5	1.9	12.6	218.9	574.6	301.2	847.3	106.0	10.8	1.2	0.0	0.0	
21	0.5	1.8	11.0	178.3	586.0	250.8	806.8	79.0	11.6	1.1	0.0	0.0	
22	0.5	1.9	9.4	147.0	616.0	213.3	773.6	63.6	11.6	1.0	0.0	0.0	
23	0.4	1.7	11.6	136.8	645.7	180.4	798.7	54.8	11.4	1.0	0.0	0.0	
24	0.3	1.9	24.2	124.8	649.1	172.7	768.0	49.2	11.2	1.0	0.0	0.0	
25	0.2	1.6	29.7	131.4	622.0	189.5	724.2	44.0	10.2	1.3	0.0	0.0	
26	0.3	1.7	29.7	123.6	634.4	210.5	677.2	40.9	9.6	1.1	0.0	0.0	
27	0.3	1.4	26.6	128.4	657.6	283.6	640.8	38.1	10.8	0.9	0.0	0.0	
28	0.3	1.4	23.2	127.2	652.5	368.5	601.0	35.0	9.2	1.0	0.0	0.0	
29	0.1	1.3	27.9	129.6	614.5	470.9	549.5	32.5	8.2	0.9	0.0	0.0	
30	0.1	4.5	32.2	142.8	561.2	573.2	466.5	31.3	8.0	0.7		0.0	
31		4.1		146.4	514.4		358.6		7.8	0.5		0.0	
TOTAL	22.3	77.6	870.9	2493.1	14642.2	10504.3	22534.6	3029.6	451.7	94.4	0.4	0.0	54721.1 CMSDAY
MEAN	0.7	2.5	29.0	80.4	472.3	350.1	726.9	101.0	14.6	3.0	0.0	0.0	149.5 CMS
MAX	1.5	6.8	87.0	218.9	657.6	573.2	847.3	274.0	29.4	8.0	0.3	0.0	847.3 CMS
MIN	0.1	0.2	6.0	6.8	116.5	172.7	358.6	31.3	7.8	0.5	0.0	0.0	0.0 CMS
RUNOFF	1.93	6.70	75.25	215.40	1265.09	907.57	1946.99	261.76	39.03	8.16	0.03	0.00	4727.90 MCM

MOMENTARY PEAK 1064.40 CMS, AT 10.89 M (MSL), AT 9.00 HOURS, ON OCT 20, 1983
RUNOFF YIELD 19.93 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 141.88 LITERS/SECOND/SQUARE KM

WATER YEAR 1983

PRACHIN BURI RIVER BASIN

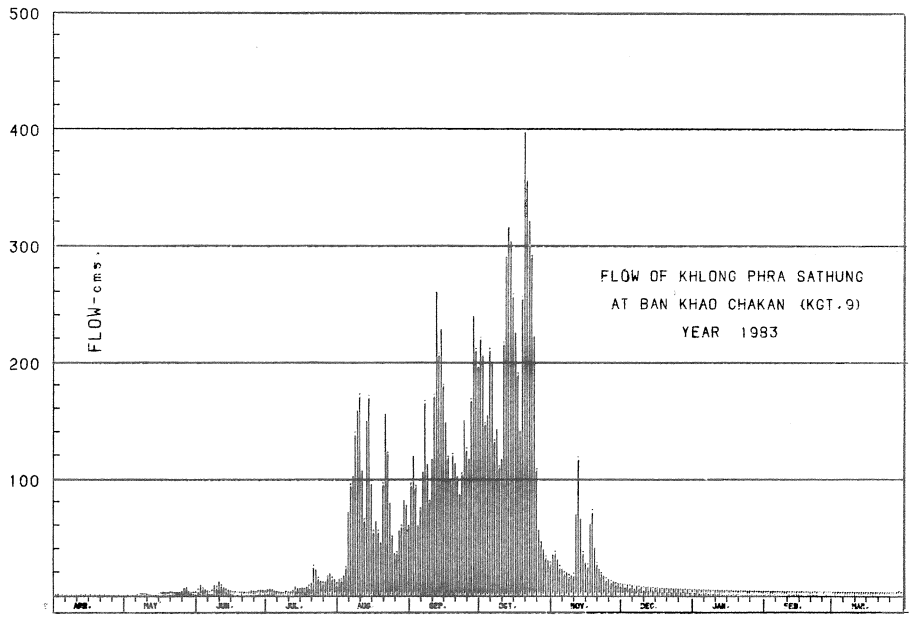
KHLONG PHRA SATHUNG AT BAN KHAO CHAKAN, PRACHIN BURI (KGT.9)

LOCATION	LAT. 13°-40'-10" N., LONG. 102°-04'-35" E., ON RIGHT BANK INFRONT OF WAT KHAO CHAKAN, BAN KHAO CHAKAN, AMPHOE SAKAEO, PRACHIN BURI.
DRAINAGE AREA	2,279 SQ.KM.
TYPE OF GAGE	WATER-STAGE RECORDER.
ZERO GAGE AT BOTTOM	+0.00 M.(A.D.)
BENCH MARK	B.M.-H.D.
LOCATION	NEAR THE AUTOMATIC GAGE BUILDING.
ELEVATION	+9.020 M. (A.D.)
GAGE READING FREQUENCY	RECORDING.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 24 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1967-1970, 1972 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1969-1970
RATED BY FLOAT	-
RATED BY CURRENT METER	1969-1970
STABILITY OF CHANNEL REGIMES	STABLE.
OVERBANK FLOW CONDITIONS	OVERBANK FLOW STARTS AT ELEVATION +9.95 M.(A.D.) AND IS INCLUDED.
GENERAL DESCRIPTION	.RECORDS FAIR. STAGE-DISCHARGE RELATION DEFINED BY 269 DISCHARGE MEASUREMENTS MADE DURING 1969-1970.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.25	0.18	0.68	0.60	1.25	4.53	7.80	2.27	0.99	0.66	0.54	0.47	
2	0.25	0.18	0.93	0.68	1.27	5.24	7.46	2.40	0.97	0.65	0.54	0.47	
3	0.25	0.17	0.75	0.62	1.41	4.47	6.04	2.09	0.95	0.65	0.54	0.47	
4	0.25	0.18	0.64	0.54	1.82	3.28	6.19	1.86	0.93	0.64	0.54	0.46	
5	0.24	0.22	0.55	0.50	3.70	3.83	7.60	1.71	0.92	0.64	0.53	0.46	
6	0.24	0.25	0.49	0.46	4.51	4.83	7.30	1.60	0.90	0.63	0.53	0.46	
7	0.24	0.28	0.60	0.42	4.72	6.52	5.64	1.55	0.88	0.63	0.53	0.46	
8	0.23	0.26	0.90	0.40	5.82	5.03	5.88	1.48	0.86	0.62	0.53	0.46	
9	0.23	0.23	0.86	0.50	6.30	4.06	4.99	1.42	0.82	0.62	0.52	0.45	
10	0.23	0.22	1.11	0.47	6.67	5.16	5.16	1.53	0.81	0.61	0.52	0.45	
11	0.22	0.20	0.93	0.46	4.86	6.66	7.71	3.64	0.80	0.61	0.52	0.45	
12	0.22	0.19	0.77	0.60	3.50	8.59	9.15	5.22	0.79	0.60	0.52	0.45	
13	0.22	0.20	0.68	0.80	6.07	7.51	9.67	3.50	0.78	0.60	0.51	0.45	
14	0.22	0.24	0.62	0.72	6.64	7.94	9.40	2.39	0.77	0.60	0.51	0.44	
15	0.21	0.28	0.56	0.69	4.50	6.88	8.56	1.97	0.76	0.59	0.51	0.44	
16	0.21	0.36	0.51	0.76	3.13	6.04	7.88	1.93	0.75	0.59	0.51	0.44	
17	0.21	0.40	0.48	0.71	3.42	5.24	7.12	3.34	0.73	0.59	0.50	0.44	
18	0.21	0.38	0.45	0.80	3.13	4.63	5.84	3.78	0.72	0.58	0.50	0.44	
19	0.20	0.40	0.43	0.91	2.70	5.31	8.51	2.52	0.72	0.58	0.50	0.43	
20	0.20	0.46	0.43	1.03	4.54	5.06	11.10	1.99	0.71	0.58	0.50	0.43	
21	0.20	0.44	0.42	1.87	6.23	4.70	10.39	1.72	0.71	0.57	0.49	0.43	
22	0.20	0.40	0.40	1.67	5.34	4.23	9.72	1.55	0.70	0.57	0.49	0.43	
23	0.19	0.40	0.44	1.35	3.98	4.81	9.17	1.41	0.70	0.57	0.49	0.43	
24	0.19	0.40	0.56	1.14	2.93	6.09	7.81	1.33	0.69	0.56	0.49	0.42	
25	0.19	0.49	0.51	1.10	2.32	5.45	4.92	1.26	0.69	0.56	0.48	0.42	
26	0.19	0.70	0.51	1.12	2.38	5.17	3.14	1.18	0.68	0.56	0.48	0.42	
27	0.19	0.79	0.56	1.41	3.11	6.57	2.73	1.12	0.68	0.56	0.48	0.42	
28	0.18	0.50	0.60	1.51	3.30	8.18	2.46	1.08	0.67	0.55	0.48	0.44	
29	0.18	0.44	0.57	1.35	4.06	7.60	2.23	1.04	0.67	0.55	0.47	0.53	
30	0.18	0.43	0.56	1.24	3.90	7.24	2.06	1.01	0.66	0.55		0.47	
31		0.47		1.06	3.29		2.00		0.66	0.55		0.46	
MEAN	0.21	0.35	0.62	0.89	3.90	5.70	6.63	2.03	0.78	0.59	0.51	0.45	
MAX	0.25	0.79	1.11	1.87	6.67	8.59	11.10	5.22	0.99	0.66	0.54	0.53	11.10
MIN	0.18	0.17	0.40	0.40	1.25	3.28	2.00	1.01	0.66	0.55	0.47	0.42	0.17

ANNUAL MAX MOMENTARY GAGE HEIGHT 11.31 M (A.D), AT 9.00 HOURS, ON OCT 20, 1983
ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D), RIVER BED -1.00 M (A.D)
LEFT BANK ELEVATION 10.70 M (A.D)
RIGHT BANK ELEVATION 9.94 M (A.D), DRAINAGE AREA 2279 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	1.60	1.08	6.16	5.20	14.60	96.56	221.40	35.28	10.46	5.92	4.48	3.70	
2	1.60	1.08	9.62	6.16	14.92	119.76	205.56	38.40	10.18	5.80	4.48	3.70	
3	1.60	1.02	7.10	5.44	17.40	94.64	148.52	31.18	9.90	5.80	4.48	3.70	
4	1.60	1.08	5.68	4.48	25.43	60.18	154.22	26.22	9.62	5.68	4.48	3.60	
5	1.52	1.36	4.60	4.00	71.60	75.24	212.00	23.28	9.48	5.68	4.36	3.60	
6	1.52	1.60	3.90	3.60	95.92	106.16	198.40	21.12	9.20	5.56	4.36	3.60	
7	1.52	1.84	5.20	3.20	102.64	166.98	133.67	20.14	8.92	5.56	4.36	3.60	
8	1.44	1.68	9.20	3.00	140.27	112.69	142.47	18.77	8.64	5.44	4.36	3.60	
9	1.44	1.44	8.64	4.00	158.40	81.80	111.37	17.59	8.08	5.44	4.24	3.50	
10	1.44	1.36	12.36	3.70	172.83	117.04	117.04	19.75	7.94	5.32	4.24	3.50	
11	1.36	1.20	9.62	3.60	107.12	172.44	217.08	69.92	7.80	5.32	4.24	3.50	
12	1.36	1.14	7.38	5.20	66.00	260.10	290.30	119.08	7.66	5.20	4.24	3.50	
13	1.36	1.20	6.16	7.80	149.66	207.86	318.38	66.00	7.52	5.20	4.12	3.50	
14	1.36	1.52	5.44	6.68	171.66	228.12	303.80	38.16	7.38	5.20	4.12	3.40	
15	1.28	1.84	4.72	6.28	95.60	181.20	258.60	28.54	7.24	5.08	4.12	3.40	
16	1.28	2.60	4.12	7.24	56.28	148.52	225.24	27.66	7.10	5.08	4.12	3.40	
17	1.28	3.00	3.80	6.54	63.84	119.76	190.84	61.74	6.82	5.08	4.00	3.40	
18	1.28	2.80	3.50	7.80	56.28	99.76	141.00	73.84	6.68	4.96	4.00	3.40	
19	1.20	3.00	3.30	9.34	45.60	122.14	256.10	41.28	6.68	4.96	4.00	3.30	
20	1.20	3.60	3.30	11.08	96.88	113.68	397.00	28.98	6.54	4.96	4.00	3.30	
21	1.20	3.40	3.20	26.41	155.74	102.00	357.95	23.47	6.54	4.84	3.90	3.30	
22	1.20	3.00	3.00	22.49	123.16	86.96	321.10	20.14	6.40	4.84	3.90	3.30	
23	1.14	3.00	3.40	16.30	79.44	105.52	291.38	17.40	6.40	4.84	3.90	3.30	
24	1.14	3.00	4.72	12.84	51.25	150.42	221.88	15.94	6.28	4.72	3.90	3.20	
25	1.14	3.90	4.12	12.20	36.48	126.95	109.06	14.76	6.28	4.72	3.80	3.20	
26	1.14	6.40	4.12	12.52	37.92	117.38	56.54	13.48	6.16	4.72	3.80	3.20	
27	1.14	7.66	4.72	17.40	55.76	168.93	46.32	12.52	6.16	4.72	3.80	3.20	
28	1.08	4.00	5.20	19.36	60.70	239.64	39.84	11.88	6.04	4.60	3.80	3.40	
29	1.08	3.40	4.84	16.30	81.80	212.00	34.32	11.24	6.04	4.60	3.70	4.36	
30	1.08	3.30	4.72	14.44	77.20	195.88	30.52	10.76	5.92	4.60		3.70	
31		3.70		11.56	60.44		29.20		5.92	4.60		3.60	
TOTAL	39.58	80.20	165.84	296.16	2542.82	4190.31	5781.10	958.52	231.98	159.04	119.30	107.96	14672.81 CMSDAY
MEAN	1.32	2.59	5.53	9.55	82.03	139.68	186.49	31.95	7.48	5.13	4.11	3.48	40.09 CMS
MAX	1.60	7.66	12.36	26.41	172.83	260.10	397.00	119.08	10.46	5.92	4.48	4.36	397.00 CMS
MIN	1.08	1.02	3.00	3.00	14.60	60.18	29.20	10.76	5.92	4.60	3.70	3.20	1.02 CMS
RUNOFF	3.420	6.929	14.329	25.588	219.700	362.043	499.487	82.816	20.043	13.741	10.308	9.328	1267.731 MCM

MOMENTARY PEAK 408.55 CMS, AT 11.31 M (A.D), AT 9.00 HOURS, ON OCT 20, 1983

RUNOFF YIELD 17.59 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 179.27 LITERS/SECOND/SQUARE KM

WATER YEAR 1983

PRACHIN BURI RIVER BASIN

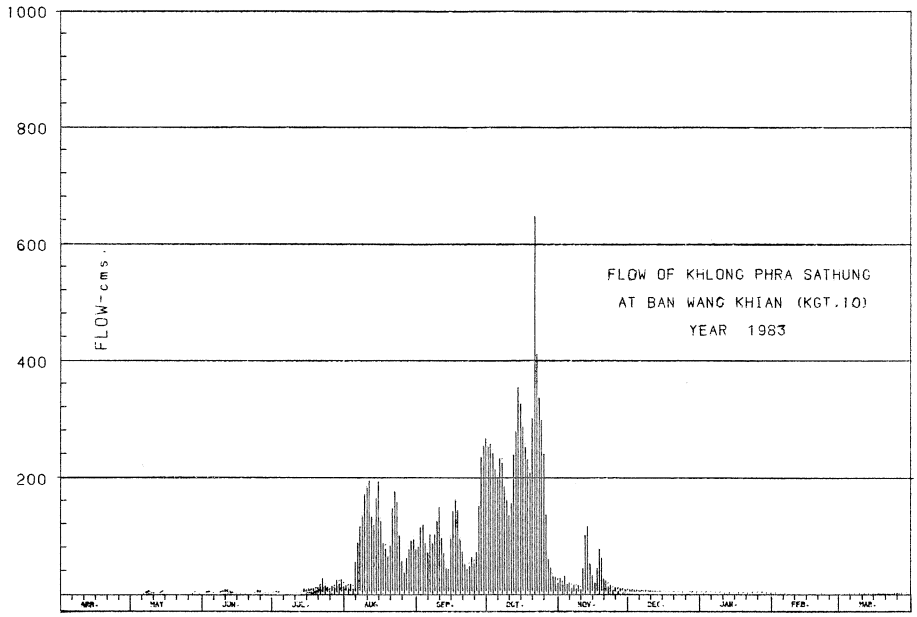
KHLONG PHRA SATHUNG AT BAN WANG KHIAN, PRACHIN BURI (KGT.10)

LOCATION	LAT. 13°-48'-29" N., LONG. 102°-03'-35" E., ON LEFT BANK NEAR SAHA CHAROEN SAWMILL, BAN WANG KHIAN, AMPHOE SA KAEO, PRACHIN BURI.
DRAINAGE AREA	2,523 SQ.KM.
TYPE OF GAGE	WATER-STAGE RECORDER.
ZERO GAGE AT BOTTOM	+23.741 M. (M.S.L.)
BENCH MARK	B.M.-H.D.
LOCATION	ON LEFT BANK ABOUT 10 METERS FROM THE AUTOMATIC GAGE BUILDING.
ELEVATION	+34.652 M. (M.S.L.)
GAGE READING FREQUENCY	RECORDING.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 24 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1966 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1966 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1966 TO DATE.
STABILITY OF CHANNEL REGIMES	FAIRLY STABLE.
OVERBANK FLOW CONDITIONS	OVERBANK FLOW STARTS AT ELEVATION +34.53 M.(M.S.L.) AND IS INCLUDED.
GENERAL DESCRIPTION	RECORDS FAIR. STAGE-DISCHARGE RELATION DEFINED BY 80 DISCHARGE MEASUREMENTS MADE IN 1983.

GAGE HEIGHT IN METER (MSL), WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	24.70	24.67	25.23	25.28	26.58	30.57	34.76	27.53	25.83	25.35	25.09	24.95	
2	24.70	24.69	25.44	25.47	26.70	31.75	34.76	27.13	25.80	25.35	25.09	24.95	
3	24.70	24.69	25.48	25.39	26.75	32.13	34.67	27.74	25.72	25.34	25.09	24.94	
4	24.69	24.71	25.27	25.27	26.57	30.60	34.22	27.25	25.70	25.31	25.08	24.93	
5	24.68	24.77	25.15	25.11	29.09	30.11	34.15	26.96	25.68	25.28	25.06	24.90	
6	24.68	24.88	25.07	25.03	30.90	31.29	34.53	26.73	25.65	25.28	25.06	24.89	
7	24.68	25.35	25.02	24.97	31.84	30.84	34.52	26.64	25.65	25.25	25.05	24.88	
8	24.68	25.52	25.41	24.94	32.65	31.29	33.81	26.64	25.67	25.24	25.05	24.88	
9	24.68	25.30	25.57	24.93	33.54	32.30	33.44	26.62	25.60	25.23	25.02	24.89	
10	24.67	25.05	25.88	25.11	33.90	32.96	32.49	26.43	25.55	25.22	25.00	24.88	
11	24.67	24.98	25.77	25.04	34.01	31.24	33.30	28.53	25.54	25.21	24.99	24.88	
12	24.67	24.97	25.54	25.10	32.58	29.82	34.31	31.42	25.51	25.20	24.99	24.87	
13	24.66	25.29	25.33	25.49	31.92	28.82	34.93	31.85	25.50	25.18	24.99	24.86	
14	24.66	25.51	25.22	26.00	33.50	28.44	35.21	29.16	25.48	25.18	24.99	24.86	
15	24.65	25.07	25.13	25.75	33.98	31.17	35.14	27.81	25.46	25.18	25.01	24.84	
16	24.65	24.89	25.07	26.02	32.35	32.74	34.95	27.40	25.45	25.18	25.01	24.84	
17	24.65	24.86	25.01	25.96	30.60	33.40	34.76	28.52	25.42	25.17	25.00	24.83	
18	24.64	24.84	24.98	26.05	30.50	32.79	34.51	30.36	25.40	25.17	25.00	24.83	
19	24.64	24.83	24.96	26.21	29.53	31.07	34.22	29.43	25.40	25.16	25.04	24.82	
20	24.64	24.82	24.95	26.28	30.65	29.94	35.02	27.76	25.39	25.14	25.01	24.84	
21	24.63	24.81	24.94	26.70	32.89	29.15	35.71	27.23	25.39	25.14	24.99	24.83	
22	24.63	24.80	24.95	27.47	33.75	28.43	35.35	26.91	25.38	25.17	24.98	24.82	
23	24.63	24.78	25.25	26.83	33.21	28.99	35.17	26.60	25.37	25.20	24.98	24.84	
24	24.64	24.76	25.71	26.30	31.39	29.48	35.01	26.42	25.35	25.20	24.97	24.93	
25	24.67	24.74	25.59	26.01	29.15	29.23	34.65	26.29	25.33	25.21	24.97	24.94	
26	24.69	24.73	25.37	26.45	28.44	29.90	32.54	26.18	25.42	25.26	24.97	24.98	
27	24.66	24.93	25.19	26.59	29.39	33.15	29.55	26.08	25.41	25.18	24.98	24.94	
28	24.67	25.32	25.21	27.27	30.37	34.33	28.57	26.00	25.41	25.14	24.97	24.94	
29	24.68	24.96	25.31	27.21	30.78	34.77	28.02	25.92	25.40	25.13	24.96	25.04	
30	24.67	24.93	25.27	27.33	31.15	34.83	27.65	25.88	25.37	25.10		24.99	
31		24.98		26.99	30.12		27.41		25.36	25.09		24.97	
MEAN	24.67	24.95	25.28	25.95	30.93	31.18	33.46	27.51	25.50	25.21	25.01	24.90	
MAX	24.70	25.52	25.88	27.47	34.01	34.83	35.71	31.85	25.83	25.35	25.09	25.04	35.71
MIN	24.63	24.67	24.94	24.93	26.57	28.43	27.41	25.88	25.33	25.09	24.96	24.82	24.63

ANNUAL MAX MOMENTARY GAGE HEIGHT 35.92 M (MSL), AT 18.00 HOURS, ON OCT 20, 1983
ZERO GAGE AT BOTTOM ELEVATION 23.74 M (MSL), RIVER BED 24.64 M (MSL)
LEFT BANK ELEVATION 34.52 M (MSL)
RIGHT BANK ELEVATION 34.70 M (MSL), DRAINAGE AREA 2523 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.5	0.4	4.0	4.4	16.0	87.2	257.9	28.7	8.8	4.9	3.0	2.1	
2	0.5	0.5	5.5	5.8	17.5	114.8	257.9	23.0	8.5	4.9	3.0	2.1	
3	0.5	0.5	5.9	5.1	18.2	124.9	247.6	32.0	7.9	4.8	3.0	2.0	
4	0.5	0.5	4.3	4.3	15.9	87.9	213.8	24.7	7.7	4.6	3.0	1.9	
5	0.4	0.9	3.5	3.2	56.0	77.1	203.8	20.8	7.5	4.4	2.8	1.7	
6	0.4	1.6	2.9	2.6	94.4	102.8	232.8	17.9	7.3	4.4	2.8	1.6	
7	0.4	4.9	2.5	2.2	117.0	93.1	231.9	16.8	7.3	4.2	2.7	1.6	
8	0.4	6.2	5.3	2.0	140.1	102.8	184.5	16.8	7.4	4.1	2.7	1.6	
9	0.4	4.5	6.6	1.9	171.7	129.6	167.4	16.5	6.9	4.0	2.5	1.6	
10	0.4	2.7	9.2	3.2	189.2	150.0	135.2	14.3	6.4	3.9	2.4	1.6	
11	0.4	2.3	8.3	2.7	195.2	101.7	161.9	45.3	6.4	3.9	2.3	1.6	
12	0.4	2.2	6.4	3.1	137.9	70.9	239.0	106.2	6.1	3.8	2.3	1.5	
13	0.3	4.4	4.7	5.9	119.1	50.6	282.7	117.3	6.0	3.7	2.3	1.4	
14	0.3	6.1	3.9	10.2	169.9	43.7	354.0	57.4	5.9	3.7	2.3	1.4	
15	0.2	2.9	3.3	8.1	193.5	100.2	332.0	33.1	5.7	3.7	2.5	1.3	
16	0.2	1.6	2.9	10.3	131.1	142.8	286.5	26.9	5.6	3.7	2.5	1.3	
17	0.2	1.4	2.5	9.8	87.9	165.7	257.9	45.1	5.4	3.6	2.4	1.2	
18	0.2	1.3	2.3	10.6	85.7	144.4	231.0	82.6	5.2	3.6	2.4	1.2	
19	0.2	1.2	2.1	12.1	65.0	98.1	213.8	62.9	5.2	3.5	2.7	1.1	
20	0.2	1.1	2.1	12.8	89.0	73.4	300.8	32.3	5.1	3.4	2.5	1.3	
21	0.1	1.1	2.0	17.5	147.6	57.2	651.8	24.4	5.1	3.4	2.3	1.2	
22	0.1	1.0	2.1	27.9	181.5	43.5	411.0	20.2	5.1	3.6	2.3	1.1	
23	0.1	0.9	4.2	19.2	158.7	53.9	341.0	16.3	5.0	3.8	2.3	1.3	
24	0.2	0.8	7.8	13.0	105.4	63.9	298.4	14.2	4.9	3.8	2.2	1.9	
25	0.4	0.7	6.8	10.3	57.2	58.8	245.3	12.9	4.7	3.9	2.2	2.0	
26	0.5	0.6	5.0	14.5	43.7	72.5	136.7	11.8	5.4	4.2	2.2	2.3	
27	0.3	1.9	3.7	16.1	62.1	156.6	65.4	10.8	5.3	3.7	2.3	2.0	
28	0.4	4.6	3.9	25.0	82.8	235.1	46.1	10.2	5.3	3.4	2.2	2.0	
29	0.4	2.1	4.6	24.2	91.8	259.1	36.5	9.5	5.2	3.3	2.1	2.7	
30	0.4	1.9	4.3	25.9	99.8	266.9	30.5	9.2	5.0	3.1		2.3	
31		2.3		21.2	77.3		27.0		4.9	3.0		2.2	
TOTAL	9.9	65.1	132.6	335.1	3218.2	3329.2	7082.1	960.1	188.2	120.0	72.2	52.1	15564.8 CMSDAY
MEAN	0.3	2.1	4.4	10.8	103.8	111.0	228.5	32.0	6.1	3.9	2.5	1.7	42.5 CMS
MAX	0.5	6.2	9.2	27.9	195.2	266.9	651.8	117.3	8.8	4.9	3.0	2.7	651.8 CMS
MIN	0.1	0.4	2.0	1.9	15.9	43.5	27.0	9.2	4.7	3.0	2.1	1.1	0.1 CMS
RUNOFF	0.86	5.62	11.46	28.95	278.05	287.64	611.89	82.95	16.26	10.37	6.24	4.50	1344.80 MCM

MOMENTARY PEAK 936.00 CMS, AT 35.92 M (MSL), AT 18.00 HOURS, ON OCT 20, 1983

RUNOFF YIELD 16.86 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 370.99 LITERS/SECOND/SQUARE KM

WATER YEAR 1983

PRACHIN BURI RIVER BASIN

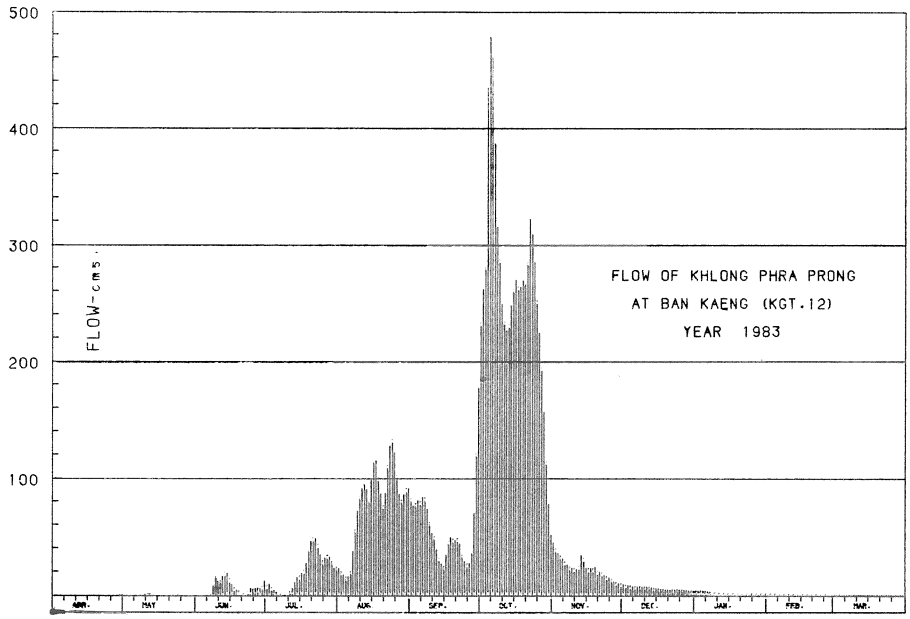
KHLONG PHRA PRONG AT BAN KAENG, PRACHIN BURI (KGT.12)

LOCATION	LAT. 13°-56'-02" N., LONG. 101°-58'-41" E., ON LEFT BANK NEAR THE RAILWAY STATION AT BAN KAENG AND ABOUT 200 METERS UPSTREAM FROM THOT SAPHON SAWMILL, AMPHOE SA KAEO, PRACHIN BURI.
DRAINAGE AREA	1,540 SQ.KM.
TYPE OF GAGE	WATER-STAGE RECORDER.
ZERO GAGE AT BOTTOM	+0.00 M. (A.D.)
BENCH MARK	B.M.-H.D.
LOCATION	ON (RIGHT) BANK ABOUT 20 METERS FROM THE GAGE SITE.
ELEVATION	+9.505 M. (A.D.)
GAGE READING FREQUENCY	RECORDING.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 24 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1966 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1966 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1966 TO DATE.
STABILITY OF CHANNEL REGIMES	STABLE.
OVERBANK FLOW CONDITIONS	OVERBANK FLOW STARTS AT ELEVATION +9.27 M.(A.D.) AND IS INCLUDED.
GENERAL DESCRIPTION	RECORDS POOR. NO RECORDS ON MAR. 1-31, 1983. STAGE-DISCHARGE RELATION DEFINED BY 56 DISCHARGE MEASUREMENTS MADE IN 1983.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.38	0.38	0.34	1.30	2.18	4.99	8.62	3.34	1.38	0.95	0.64	*******	
2	0.39	0.37	0.36	1.38	1.99	4.73	8.83	3.08	1.33	0.96	0.64	*******	
3	0.40	0.37	0.36	1.17	1.82	4.81	8.92	2.89	1.32	0.96	0.64	*******	
4	0.38	0.35	0.37	0.98	1.70	4.92	9.30	2.78	1.29	0.96	0.63	*******	
5	0.39	0.34	0.39	0.85	1.74	4.89	9.37	2.66	1.26	0.92	0.63	*******	
6	0.38	0.34	0.41	0.77	2.03	5.05	9.34	2.52	1.24	0.90	0.62	*******	
7	0.37	0.32	0.47	0.67	2.98	5.02	9.22	2.39	1.24	0.87	0.62	*******	
8	0.38	0.34	1.27	0.60	3.83	4.61	9.05	2.28	1.23	0.84	0.62	*******	
9	0.33	0.34	1.73	0.58	4.54	4.11	8.95	2.22	1.22	0.82	0.61	*******	
10	0.36	0.55	1.54	0.57	5.07	3.71	8.75	2.20	1.22	0.81	0.60	*******	
11	0.36	0.60	1.56	0.90	5.37	3.57	8.63	2.15	1.24	0.78	0.58	*******	
12	0.36	0.53	1.75	1.10	5.62	3.04	8.56	2.33	1.21	0.77	0.58	*******	
13	0.34	0.46	1.96	1.46	5.34	2.68	8.61	2.81	1.19	0.76	0.58	*******	
14	0.31	0.42	1.92	1.69	4.98	2.42	8.74	2.68	1.14	0.75	0.58	*******	
15	0.32	0.35	1.64	1.77	5.68	2.30	8.83	2.22	1.13	0.75	0.57	*******	
16	0.32	0.30	1.35	1.91	6.33	2.82	8.87	2.19	1.10	0.75	0.58	*******	
17	0.32	0.26	1.17	2.10	6.30	3.39	8.84	2.21	1.08	0.74	0.59	*******	
18	0.32	0.26	1.00	2.45	5.75	3.55	8.84	2.19	1.05	0.74	0.60	*******	
19	0.33	0.28	0.92	3.09	5.18	3.48	8.88	2.27	1.04	0.73	0.57	*******	
20	0.30	0.30	0.83	3.39	4.74	3.44	8.85	2.03	1.01	0.72	0.57	*******	
21	0.31	0.34	0.70	3.54	5.20	3.51	8.94	2.01	1.01	0.71	0.57	*******	
22	0.32	0.45	0.66	3.50	6.14	3.29	9.07	1.95	1.03	0.71	0.56	*******	
23	0.30	0.42	0.92	3.27	6.73	2.82	9.04	1.83	1.04	0.70	0.57	*******	
24	0.30	0.40	1.11	2.83	6.89	2.54	8.94	1.74	1.04	0.70	0.54	*******	
25	0.29	0.38	1.04	2.56	6.55	2.42	8.77	1.69	1.03	0.70	0.56	*******	
26	0.28	0.34	1.11	2.69	5.82	2.44	8.54	1.64	1.02	0.69	0.56	*******	
27	0.30	0.33	1.12	2.80	5.16	2.99	8.18	1.54	1.01	0.69	0.56	*******	
28	0.34	0.32	1.11	2.73	4.94	4.46	7.50	1.49	0.97	0.68	0.56	*******	
29	0.45	0.32	1.23	2.52	5.14	6.50	6.26	1.43	0.96	0.68	0.59	*******	
30	0.44	0.31	1.56	2.20	5.36	7.91	4.78	1.42	0.96	0.67		*******	
31		0.32		2.25	5.37		3.78		0.96	0.65		*******	
MEAN	0.35	0.37	1.06	1.92	4.72	3.88	8.45	2.21	1.13	0.78	0.59	*******	
MAX	0.45	0.60	1.96	3.54	6.89	7.91	9.37	3.34	1.38	0.96	0.64	*******	9.37
MIN	0.28	0.26	0.34	0.57	1.70	2.30	3.78	1.42	0.96	0.65	0.54	*******	*******

ANNUAL MAX MOMENTARY GAGE HEIGHT 9.38 M (A.D), AT 9.00 HOURS, ON OCT 5, 1983
ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D), RIVER BED -0.24 M (A.D)
LEFT BANK ELEVATION 9.69 M (A.D)
RIGHT BANK ELEVATION 9.26 M (A.D), DRAINAGE AREA 1540 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.40	0.40	0.20	8.80	23.26	82.79	233.00	45.44	10.00	4.34	1.54	*******	
2	0.45	0.35	0.30	10.00	20.35	76.83	262.00	40.10	9.25	4.46	1.54	*******	
3	0.50	0.35	0.30	7.03	17.74	78.66	280.60	36.30	9.10	4.46	1.54	*******	
4	0.40	0.25	0.35	4.71	15.90	81.19	435.00	34.10	8.66	4.46	1.50	*******	
5	0.45	0.20	0.45	3.11	16.51	80.50	480.50	31.74	8.24	3.97	1.50	*******	
6	0.40	0.20	0.54	2.29	20.96	84.17	461.00	29.08	7.96	3.72	1.45	*******	
7	0.35	0.10	0.80	1.67	38.10	83.48	389.40	26.72	7.96	3.36	1.45	*******	
8	0.40	0.20	8.38	1.37	56.18	74.08	315.50	24.79	7.82	2.99	1.45	*******	
9	0.15	0.20	16.36	1.28	72.47	62.61	287.50	23.87	7.68	2.74	1.41	*******	
10	0.30	1.15	12.40	1.24	84.63	53.43	249.50	23.57	7.68	2.62	1.37	*******	
11	0.30	1.37	12.70	3.72	91.51	50.34	234.25	22.80	7.96	2.36	1.28	*******	
12	0.30	1.06	16.67	6.18	97.50	39.30	226.50	25.64	7.54	2.29	1.28	*******	
13	0.20	0.76	19.89	11.20	90.82	32.12	231.75	34.70	7.28	2.22	1.28	*******	
14	0.05	0.59	19.27	15.64	82.56	27.26	248.20	32.12	6.66	2.15	1.28	*******	
15	0.10	0.25	14.34	16.97	99.00	25.10	262.00	23.87	6.54	2.15	1.24	*******	
16	0.10	0.00	9.55	19.12	116.11	34.90	270.00	23.41	6.18	2.15	1.28	*******	
17	0.10	0.00	7.03	22.03	115.30	46.49	264.00	23.72	5.93	2.08	1.32	*******	
18	0.10	0.00	4.95	27.80	100.75	49.90	264.00	23.41	5.56	2.08	1.37	*******	
19	0.15	0.00	3.97	40.30	87.15	48.38	272.00	24.64	5.44	2.01	1.24	*******	
20	0.00	0.00	2.87	46.49	77.06	47.54	266.00	20.96	5.07	1.94	1.24	*******	
21	0.05	0.20	1.80	49.68	87.61	49.02	285.20	20.65	5.07	1.87	1.24	*******	
22	0.10	0.72	1.63	48.80	110.98	44.39	322.10	19.73	5.32	1.87	1.19	*******	
23	0.00	0.59	3.97	43.97	128.09	34.90	312.20	17.89	5.44	1.80	1.24	*******	
24	0.00	0.50	6.30	35.10	133.37	29.46	285.20	16.51	5.44	1.80	1.11	*******	
25	0.00	0.40	5.44	29.84	122.35	27.26	252.10	15.64	5.32	1.80	1.19	*******	
26	0.00	0.20	6.30	32.31	102.52	27.62	224.50	14.34	5.19	1.76	1.19	*******	
27	0.00	0.15	6.42	34.50	86.69	38.30	194.80	12.40	5.07	1.76	1.19	*******	
28	0.20	0.10	6.30	33.10	81.65	70.64	156.70	11.65	4.58	1.71	1.19	*******	
29	0.72	0.10	7.82	29.08	86.24	120.90	114.22	10.75	4.46	1.71	1.32	*******	
30	0.67	0.05	12.70	23.57	91.28	177.60	77.98	10.60	4.46	1.67		*******	
31		0.10		24.33	91.51		55.04		4.46	1.58		*******	
TOTAL	6.94	10.54	210.00	635.23	2446.15	1779.16	8212.74	721.14	203.32	77.88	38.42	*******	******** CMSDAY
MEAN	0.23	0.34	7.00	20.49	78.91	59.31	264.93	24.04	6.56	2.51	1.32	*******	******** CMS
MAX	0.72	1.37	19.89	49.68	133.37	177.60	480.50	45.44	10.00	4.46	1.54	*******	480.50 CMS
MIN	0.00	0.00	0.20	1.24	15.90	25.10	55.04	10.60	4.46	1.58	1.11	*******	******** CMS
RUNOFF	0.600	0.911	18.144	54.884	211.347	153.719	709.581	62.307	17.567	6.729	3.319	*******	******** MCM

MOMENTARY PEAK 487.00 CMS, AT 9.38 M (A.D), AT 9.00 HOURS, ON OCT 5, 1983

RUNOFF YIELD ********* LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 316.23 LITERS/SECOND/SQUARE KM

WATER YEAR 1983

PRACHIN BURI RIVER BASIN

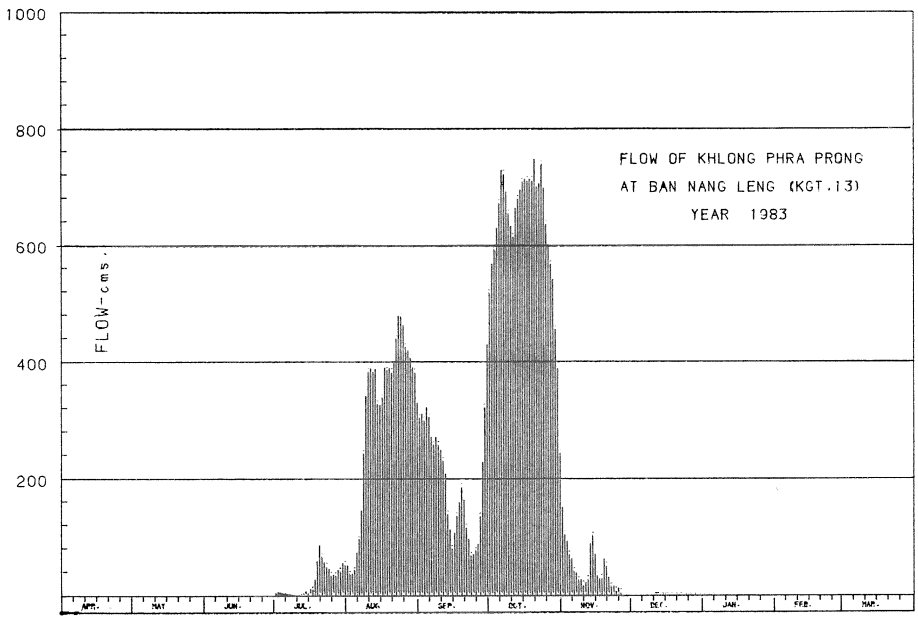
KHLONG PHRA PRONG AT BAN NANG LENG, PRACHIN BURI (KGT.13)

LOCATION	LAT. 13°-58'-04" N., LONG. 101°-44'-20" E., ON LEFT BANK ABOUT 40 METERS UPSTREAM FROM THE BRIDGE ON HIGHWAY, AT BAN NANG LENG, AMPHOE KABIN BURI, PRACHIN BURI.
DRAINAGE AREA	5,347 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM	+0.165 M. (M.S.L.)
BENCH MARK	B.M.-H.D.
LOCATION	ON LEFT BANK NEAR THE GAGE SITE.
ELEVATION	+10.712 M. (M.S.L.)
GAGE READING FREQUENCY	3-TIME DAILY READINGS AT 06.00, 12.00 AND 18.00 HOURS.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 3 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1967 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1967-1968, 1971-1976, 1982 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1967-1968, 1971-1976, 1982 TO DATE.
STABILITY OF CHANNEL REGIMES	FAIRLY STABLE BECAUSE OF BACKWATER EFFECT.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS FAIR. NO RECORDS ON NOV.27 - DEC.10, 1983. STAG-DISCHARGE RELATION DEFINED BY 49 DISCHARGE MEASUREMENTS MADE IN 1983.

GAGE HEIGHT IN METER (MSL), WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	1.13	1.02	1.26	2.57	4.99	9.16	10.62	7.05	*******	1.99	1.48	1.40	
2	1.12	1.03	1.32	2.47	4.69	9.18	10.79	6.34	*******	2.02	1.46	1.37	
3	1.11	1.10	1.37	2.36	4.55	9.12	10.89	5.99	*******	1.99	1.45	1.35	
4	1.10	1.07	1.60	2.25	4.91	9.30	11.00	5.61	*******	1.99	1.41	1.34	
5	1.11	1.08	1.57	2.07	5.54	9.17	11.14	5.29	*******	2.01	1.41	1.31	
6	1.10	1.06	1.50	1.87	6.14	8.73	11.28	4.89	*******	1.97	1.41	1.31	
7	1.10	1.06	1.44	1.78	6.96	8.63	11.28	4.62	*******	1.85	1.40	1.28	
8	1.09	1.12	1.40	1.66	8.44	8.73	11.18	4.38	*******	1.81	1.40	1.26	
9	1.09	1.36	2.16	1.58	9.50	8.63	11.09	4.22	*******	1.77	1.40	1.25	
10	1.09	1.57	3.15	1.55	9.73	8.45	11.01	4.09	*******	1.73	1.39	1.22	
11	1.07	1.43	3.12	1.57	9.75	8.29	10.97	3.99	2.33	1.70	1.38	1.22	
12	1.07	1.41	3.30	1.91	9.71	7.92	11.10	4.45	2.31	1.69	1.37	1.22	
13	1.07	1.37	3.22	2.03	9.64	6.95	11.16	5.91	2.27	1.68	1.36	1.20	
14	1.07	1.38	2.92	2.69	9.42	6.38	11.19	6.28	2.26	1.66	1.35	1.23	
15	1.06	1.55	2.63	1.99	9.34	5.83	11.24	5.48	2.20	1.64	1.35	1.20	
16	1.06	1.40	2.32	3.14	9.52	6.27	11.24	4.65	2.16	1.61	1.35	1.20	
17	1.04	1.34	2.10	3.53	9.83	6.90	11.25	4.27	2.14	1.61	1.35	1.19	
18	1.02	1.20	1.86	4.20	9.89	7.19	11.24	4.51	2.14	1.60	1.35	1.19	
19	1.03	1.17	1.70	5.16	9.78	7.67	11.25	5.28	2.11	1.57	1.35	1.19	
20	1.03	1.15	1.56	5.84	9.74	7.26	11.33	5.13	2.10	1.57	1.35	1.19	
21	1.03	1.15	1.51	5.50	9.95	6.57	11.22	4.35	2.10	1.56	1.36	1.19	
22	1.03	1.17	1.43	5.13	10.25	6.06	11.22	3.93	2.08	1.55	1.36	1.20	
23	1.02	1.18	1.42	5.10	10.43	5.56	11.32	3.66	2.07	1.55	1.34	1.18	
24	1.02	1.17	1.93	4.82	10.45	5.47	11.20	3.46	2.08	1.54	1.34	1.21	
25	1.02	1.15	2.24	4.64	10.35	5.75	11.04	3.30	2.07	1.58	1.33	1.21	
26	1.02	1.14	2.36	4.49	10.17	5.88	10.91	3.19	2.03	1.59	1.32	1.19	
27	1.00	1.11	2.26	4.64	10.10	6.88	10.81	*******	2.02	1.57	1.35	1.19	
28	0.99	1.11	2.10	4.76	10.05	8.19	10.69	*******	2.00	1.60	1.34	1.26	
29	0.99	1.10	2.07	4.88	9.87	9.35	10.34	*******	1.97	1.56	1.40	1.30	
30	1.01	1.47	2.19	5.09	9.66	10.16	9.72	*******	1.96	1.54		1.26	
31		1.33		5.17	9.38		8.45		1.96	1.51		1.33	
MEAN	1.06	1.22	2.03	3.43	8.80	7.65	10.94	*******	*******	1.70	1.38	1.25	
MAX	1.13	1.57	3.30	5.84	10.45	10.16	11.33	7.05	2.33	2.02	1.48	1.40	11.33
MIN	0.99	1.02	1.26	1.55	4.55	5.47	8.45	*******	*******	1.51	1.32	1.18	*******

ANNUAL MAX MOMENTARY GAGE HEIGHT 11.34 M (MSL), AT 6.00 HOURS, ON OCT 23, 1983
ZERO GAGE AT BOTTOM ELEVATION 0.16 M (MSL), RIVER BED 0.51 M (MSL)
LEFT BANK ELEVATION 14.52 M (MSL)
RIGHT BANK ELEVATION 14.76 M (MSL), DRAINAGE AREA 5347 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.0	0.0	0.0	6.7	51.6	309.4	523.2	151.0	*******	3.5	0.8	0.0	
2	0.0	0.0	0.0	6.0	41.7	311.2	567.4	111.0	*******	3.6	0.6	0.0	
3	0.0	0.0	0.0	5.2	37.5	305.8	595.2	93.5	*******	3.5	0.5	0.0	
4	0.0	0.0	0.0	4.6	48.4	322.0	629.0	76.4	*******	3.5	0.1	0.0	
5	0.0	0.0	0.0	3.8	73.6	310.3	677.0	63.6	*******	3.6	0.1	0.0	
6	0.0	0.0	0.0	3.0	101.0	271.4	728.4	47.7	*******	3.4	0.1	0.0	
7	0.0	0.0	0.0	2.6	145.6	263.4	728.4	39.6	*******	2.9	0.0	0.0	
8	0.0	0.0	0.0	2.1	248.2	271.4	691.0	32.4	*******	2.7	0.0	0.0	
9	0.0	0.0	0.0	1.7	342.0	263.4	659.6	28.0	*******	2.5	0.0	0.0	
10	0.0	0.0	0.0	1.6	388.8	249.0	632.4	24.8	*******	2.4	0.0	0.0	
11	0.0	0.0	0.0	1.7	389.0	236.2	619.7	22.8	5.0	2.2	0.0	0.0	
12	0.0	0.0	0.0	3.1	388.5	208.4	663.0	34.5	4.9	2.2	0.0	0.0	
13	0.0	0.0	0.0	3.6	387.6	145.0	684.0	89.5	4.7	2.1	0.0	0.0	
14	0.0	0.0	0.0	7.6	334.0	113.0	694.5	108.0	4.6	2.1	0.0	0.0	
15	0.0	0.0	0.0	3.5	326.0	85.9	713.2	71.2	4.4	2.0	0.0	0.0	
16	0.0	0.0	0.0	11.4	344.2	107.5	713.2	40.5	4.2	1.8	0.0	0.0	
17	0.0	0.0	0.0	15.3	390.1	142.0	717.0	29.2	4.1	1.8	0.0	0.0	
18	0.0	0.0	0.0	27.5	390.9	159.4	713.2	36.3	4.1	1.8	0.0	0.0	
19	0.0	0.0	0.0	58.4	389.4	190.9	717.0	63.2	4.0	1.7	0.0	0.0	
20	0.0	0.0	0.0	86.3	388.9	163.6	747.4	57.2	3.9	1.7	0.0	0.0	
21	0.0	0.0	0.0	72.0	398.0	122.5	705.6	31.5	3.9	1.6	0.0	0.0	
22	0.0	0.0	0.0	57.2	445.0	97.0	705.6	21.6	3.9	1.6	0.0	0.0	
23	0.0	0.0	0.0	56.0	478.9	74.4	743.6	16.9	3.8	1.6	0.0	0.0	
24	0.0	0.0	0.0	45.6	483.5	70.8	698.0	14.6	3.9	1.6	0.0	0.0	
25	0.0	0.0	0.0	40.2	463.0	82.3	642.6	13.0	3.8	1.7	0.0	0.0	
26	0.0	0.0	0.0	35.7	431.2	88.1	601.1	11.9	3.6	1.8	0.0	0.0	
27	0.0	0.0	0.0	40.2	420.0	140.8	572.8	*******	3.6	1.7	0.0	0.0	
28	0.0	0.0	0.0	43.8	412.5	228.2	541.4	*******	3.5	2.0	0.0	0.0	
29	0.0	0.0	0.0	47.4	390.6	327.0	461.2	*******	3.4	1.6	0.0	0.0	
30	0.0	0.0	0.0	55.6	387.8	429.6	388.6	*******	3.3	1.4		0.0	
31		0.0		58.8	330.0		249.0		3.3	1.1		0.0	
TOTAL	0.0	0.0	0.0	808.2	9847.5	6089.9	19723.3	*******	*******	68.7	2.2	0.0	******** CMSDAY
MEAN	0.0	0.0	0.0	26.1	317.7	203.0	636.2	*******	*******	2.2	0.1	0.0	******** CMS
MAX	0.0	0.0	0.0	86.3	483.5	429.6	747.4	151.0	5.0	3.6	0.8	0.0	747.4 CMS
MIN	0.0	0.0	0.0	1.6	37.5	70.8	249.0	*******	*******	1.1	0.0	0.0	******** CMS
RUNOFF	0.00	0.00	0.00	69.83	850.82	526.17	1704.09	*******	*******	5.94	0.19	0.00	******** MCM

MOMENTARY PEAK 751.20 CMS, AT 11.34 M (MSL), AT 6.00 HOURS, ON OCT 23, 1983

RUNOFF YIELD ********* LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 140.49 LITERS/SECOND/SQUARE KM

WATER YEAR 1983

PRACHIN BURI RIVER BASIN

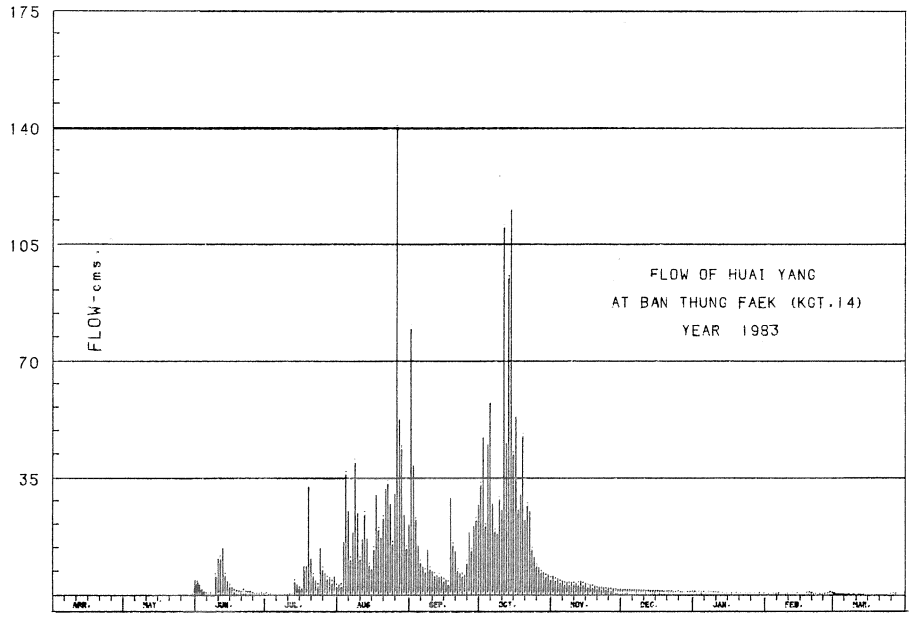
HUAI YANG AT BAN THUNG FAEK, PRACHIN BURI (KGT.14)

LOCATION	LAT. 14°-09'-30" N., LONG. 101°-52'-52" E., ON LEFT BANK ABOUT 2 KILOMETERS FROM KABIN BURI-NAKHON RATCHASIMA HIGHWAY, BAN THUNG FAEK, AMPHOE KABIN BURI, PRACHIN BURI.
DRAINAGE AREA	366 SQ.KM.
TYPE OF GAGE	WATER-STAGE RECORDER.
ZERO GAGE AT BOTTOM	+34.611 M.(M.S.L.)
BENCH MARK	B.M.-H.D.
LOCATION	NEAR THE AUTOMATIC GAGE BUILDING.
ELEVATION	+42.429 M. (M.S.L.)
GAGE READING FREQUENCY	RECORDING.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 24 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1966 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1966 - 1981.
RATED BY FLOAT	-
RATED BY CURRENT METER	1966 - 1981
STABILITY OF CHANNEL REGIMES	FAIRLY STABLE.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS FAIR. STAGE-DISCHARGE RELATION DEFINED BY 84 DISCHARGE MEASUREMENTS MADE DURING 1977-1978.

GAGE HEIGHT IN METER (MSL), WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	34.73	34.65	35.36	34.95	35.27	37.82	36.61	35.46	35.13	35.06	34.95	34.96	
2	34.73	34.65	35.27	34.94	35.30	36.76	37.00	35.43	35.13	35.06	34.95	34.96	
3	34.73	34.67	35.13	34.91	35.97	36.25	36.18	35.41	35.13	35.06	34.95	34.94	
4	34.73	34.72	35.06	34.89	36.71	35.92	36.94	35.38	35.12	35.05	34.94	34.91	
5	34.73	34.73	35.02	34.88	36.32	35.73	37.29	35.36	35.12	35.05	34.94	34.89	
6	34.73	34.73	35.01	34.87	35.78	35.63	36.40	35.34	35.12	35.04	34.94	34.89	
7	34.72	34.76	35.03	34.86	36.08	35.60	36.12	35.33	35.12	35.04	34.94	34.88	
8	34.72	34.79	34.97	34.85	36.82	35.87	36.06	35.33	35.11	35.03	34.95	34.87	
9	34.72	34.81	35.51	34.85	36.30	35.63	36.47	35.33	35.11	35.02	34.95	34.87	
10	34.71	34.80	35.75	34.88	35.78	35.55	36.33	35.33	35.11	35.02	34.96	34.86	
11	34.71	34.79	35.79	34.90	36.00	35.53	38.46	35.31	35.10	35.01	34.97	34.86	
12	34.71	34.78	35.89	34.93	36.32	35.48	36.95	35.33	35.09	35.01	34.99	34.85	
13	34.70	34.76	35.52	35.38	36.01	35.51	38.15	35.36	35.09	35.00	34.98	34.85	
14	34.70	34.76	35.35	35.28	35.69	35.45	38.55	35.33	35.09	35.00	34.95	34.84	
15	34.61	34.75	35.29	35.22	35.59	35.42	36.88	35.31	35.09	34.99	34.95	34.84	
16	34.69	34.75	35.21	35.17	35.91	35.38	37.16	35.28	35.09	34.99	35.00	34.83	
17	34.69	34.74	35.15	35.63	36.49	35.36	36.33	35.27	35.08	34.99	34.99	34.83	
18	34.69	34.73	35.11	35.64	36.14	36.46	36.49	35.26	35.08	34.99	35.00	34.82	
19	34.68	34.72	35.08	36.60	36.02	35.96	37.03	35.24	35.07	34.98	35.02	34.82	
20	34.68	34.71	35.05	35.75	36.27	35.85	36.22	35.22	35.07	34.98	34.98	34.83	
21	34.68	34.71	35.14	35.51	36.55	35.60	36.41	35.21	35.07	34.98	34.96	34.83	
22	34.67	34.70	35.07	35.37	36.63	35.51	36.32	35.20	35.06	34.98	34.94	34.84	
23	34.67	34.70	35.05	35.30	36.40	35.52	35.90	35.20	35.05	34.97	34.93	34.85	
24	34.67	34.69	35.06	35.89	35.98	35.48	35.77	35.19	35.04	34.98	34.92	34.86	
25	34.66	34.69	35.01	35.63	36.50	35.73	35.67	35.18	35.08	34.98	34.93	34.96	
26	34.66	34.69	34.99	35.52	39.04	36.08	35.62	35.17	35.03	34.97	34.93	34.99	
27	34.66	34.69	35.00	35.46	37.14	35.89	35.57	35.16	35.03	34.97	34.99	34.94	
28	34.66	34.70	35.00	35.44	36.93	36.15	35.53	35.15	35.02	34.97	35.04	34.92	
29	34.65	34.72	35.00	35.38	36.28	36.25	35.50	35.14	35.03	34.97	35.01	34.91	
30	34.65	34.92	34.97	35.45	35.92	36.39	35.49	35.13	35.05	34.96		34.91	
31		35.38		35.29	36.17		35.45		35.06	34.96		35.02	
MEAN	34.69	34.75	35.19	35.28	36.27	35.86	36.48	35.28	35.08	35.00	34.96	34.88	
MAX	34.73	35.38	35.89	36.60	39.04	37.82	38.55	35.46	35.13	35.06	35.04	35.02	39.04
MIN	34.61	34.65	34.97	34.85	35.27	35.36	35.45	35.13	35.02	34.96	34.92	34.82	34.61

ANNUAL MAX MOMENTARY GAGE HEIGHT 39.81 M (MSL), AT 9.00 HOURS, ON AUG 26, 1983
ZERO GAGE AT BOTTOM ELEVATION 34.61 M (MSL), RIVER BED 33.07 M (MSL)
LEFT BANK ELEVATION 43.02 M (MSL)
RIGHT BANK ELEVATION 43.13 M (MSL), DRAINAGE AREA 336 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.13	0.05	4.28	0.60	3.14	80.69	33.63	5.70	1.67	1.16	0.60	0.64	
2	0.13	0.05	3.14	0.56	3.50	38.64	47.10	5.25	1.67	1.16	0.60	0.64	
3	0.13	0.07	1.67	0.44	15.88	23.15	21.28	4.95	1.67	1.16	0.60	0.56	
4	0.13	0.12	1.16	0.38	36.94	14.68	44.94	4.54	1.58	1.10	0.56	0.44	
5	0.13	0.13	0.92	0.36	25.04	10.43	58.31	4.28	1.58	1.10	0.56	0.38	
6	0.13	0.13	0.86	0.34	11.48	8.47	27.20	4.02	1.58	1.04	0.56	0.38	
7	0.12	0.16	0.98	0.32	18.68	7.90	19.72	3.89	1.58	1.04	0.56	0.36	
8	0.12	0.19	0.68	0.30	40.70	13.51	18.16	3.89	1.49	0.98	0.60	0.34	
9	0.12	0.22	6.46	0.30	24.50	8.47	29.30	3.89	1.49	0.92	0.60	0.34	
10	0.11	0.20	10.85	0.36	11.48	7.10	25.31	3.89	1.49	0.92	0.64	0.32	
11	0.11	0.19	11.69	0.40	16.60	6.78	110.80	3.63	1.40	0.86	0.68	0.32	
12	0.11	0.18	13.97	0.52	25.04	6.00	45.30	3.89	1.34	0.86	0.76	0.30	
13	0.10	0.16	6.62	4.54	16.86	6.46	95.65	4.28	1.34	0.80	0.72	0.30	
14	0.10	0.16	4.15	3.26	9.61	5.55	115.30	3.89	1.34	0.80	0.60	0.28	
15	0.01	0.15	3.38	2.54	7.74	5.10	42.80	3.63	1.34	0.76	0.60	0.28	
16	0.09	0.15	2.42	2.03	14.44	4.54	53.24	3.26	1.34	0.76	0.80	0.26	
17	0.09	0.14	1.85	8.47	29.90	4.28	25.31	3.14	1.28	0.76	0.76	0.26	
18	0.09	0.13	1.49	8.66	20.24	29.00	29.90	3.02	1.28	0.76	0.80	0.24	
19	0.08	0.12	1.28	33.30	17.12	15.64	48.24	2.78	1.22	0.72	0.92	0.24	
20	0.08	0.11	1.10	10.85	23.69	13.05	22.34	2.54	1.22	0.72	0.72	0.26	
21	0.08	0.11	1.76	6.46	31.75	7.90	27.50	2.42	1.22	0.72	0.64	0.26	
22	0.07	0.10	1.22	4.41	34.29	6.46	25.04	2.30	1.16	0.72	0.56	0.28	
23	0.07	0.10	1.10	3.50	27.20	6.62	14.20	2.30	1.10	0.68	0.52	0.30	
24	0.07	0.09	1.16	13.97	16.12	6.00	11.27	2.21	1.04	0.72	0.48	0.32	
25	0.06	0.09	0.86	8.47	30.20	10.43	9.23	2.12	1.28	0.72	0.52	0.64	
26	0.06	0.09	0.76	6.62	140.60	18.68	8.28	2.03	0.98	0.68	0.52	0.76	
27	0.06	0.09	0.80	5.70	52.46	13.97	7.42	1.94	0.98	0.68	0.76	0.56	
28	0.06	0.10	0.80	5.40	44.58	20.50	6.78	1.85	0.92	0.68	1.04	0.48	
29	0.05	0.12	0.80	4.54	23.96	23.15	6.30	1.76	0.98	0.68	0.86	0.44	
30	0.05	0.48	0.68	5.55	14.68	26.93	6.15	1.67	1.10	0.64		0.44	
31		4.54		3.38	21.02		5.55		1.16	0.64		0.92	
TOTAL	2.74	8.72	88.89	146.53	809.44	450.08	1041.55	98.96	40.82	25.94	19.14	12.54	2745.35 CMSDAY
MEAN	0.09	0.28	2.96	4.73	26.11	15.00	33.60	3.30	1.32	0.84	0.66	0.40	7.50 CMS
MAX	0.13	4.54	13.97	33.30	140.60	80.69	115.30	5.70	1.67	1.16	1.04	0.92	140.60 CMS
MIN	0.01	0.05	0.68	0.30	3.14	4.28	5.55	1.67	0.92	0.64	0.48	0.24	0.01 CMS
RUNOFF	0.237	0.753	7.680	12.660	69.936	38.887	89.990	8.550	3.527	2.241	1.654	1.083	237.198 MCM

MOMENTARY PEAK 184.20 CMS, AT 39.81 M (MSL), AT 9.00 HOURS, ON AUG 26, 1983

RUNOFF YIELD 22.32 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 548.21 LITERS/SECOND/SQUARE KM

WATER YEAR 1983

PRACHIN BURI RIVER BASIN

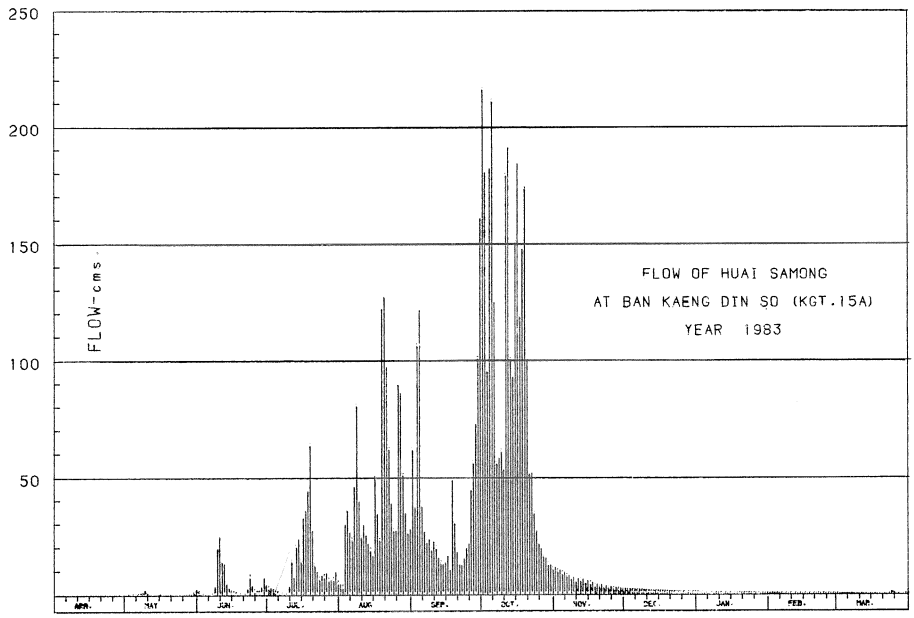
HUAI SAMONG AT BAN KAENG DIN SO, PRACHIN BURI (KGT.15A)

LOCATION	LAT. 14°-03'-46" N., LONG. 101°-55'-39" E., ON RIGHT BANK AT BAN KAENG DIN SO ABOUT 1 KILOMETERS UPSTREAM FROM THE KGT.15 STATION, AMPHOE KABIN BURI, PRACHIN BURI.
DRAINAGE AREA	530 SQ.KM.
TYPE OF GAGE	WATER-STAGE RECORDER.
ZERO GAGE AT BOTTOM	+0.00 M. (A.D.)
BENCH MARK	B.M.-H.D.
LOCATION	INFRONT OF THE STATION OFFICE AND NEAR THE RAIN GAGE.
ELEVATION	+9.615 M. (A.D.)
GAGE READING FREQUENCY	RECORDING.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 24 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1968 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1968 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1968 TO DATE.
STABILITY OF CHANNEL REGIMES	STABLE.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS GOOD. STAGE-DISCHARGE RELATION DEFINED BY 151 DISCHARGE MEASUREMENTS MADE IN 1983.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.53	0.55	0.89	1.13	1.19	3.58	6.77	1.65	1.00	0.80	0.66	0.61	
2	0.53	0.56	0.75	1.04	1.17	2.76	6.13	1.61	0.99	0.78	0.66	0.60	
3	0.53	0.57	0.69	0.99	2.50	4.68	4.44	1.58	0.98	0.77	0.66	0.59	
4	0.52	0.66	0.68	0.91	2.76	4.98	6.16	1.55	0.97	0.76	0.65	0.59	
5	0.51	0.64	0.67	0.84	2.37	2.81	6.68	1.52	0.96	0.75	0.65	0.58	
6	0.51	0.62	0.66	0.79	2.28	2.38	5.05	1.48	0.96	0.74	0.64	0.58	
7	0.52	0.68	0.70	0.76	3.07	2.24	3.41	1.44	0.95	0.72	0.64	0.58	
8	0.53	0.68	1.10	0.73	4.09	2.24	3.45	1.42	0.94	0.72	0.63	0.58	
9	0.53	0.91	2.10	0.72	2.85	2.09	3.56	1.38	0.92	0.72	0.63	0.58	
10	0.53	0.66	2.30	1.10	2.32	2.20	3.30	1.34	0.91	0.72	0.63	0.57	
11	0.52	0.64	1.85	1.83	2,50	2.12	6.12	1.35	0.90	0.72	0.63	0.57	
12	0.51	0.62	1.74	1.38	2.38	1.86	6.32	1.36	0.89	0.72	0.63	0.57	
13	0.52	0.59	1.30	2.14	2.16	1.80	4.55	1.33	0.88	0.72	0.63	0.57	
14	0.51	0.58	1.03	2.25	2.08	1.72	4.36	1.31	0.88	0.72	0.62	0.56	
15	0.51	0.58	0.92	1.84	1.90	1.83	5.58	1.29	0.88	0.72	0.62	0.56	
16	0.54	0.56	0.88	2.60	3.22	1.90	6.20	1.27	0.87	0.72	0.63	0.55	
17	0.52	0.56	0.80	2.76	2.66	1.67	4.94	1.24	0.87	0.72	0.63	0.55	
18	0.50	0.56	0.76	3.01	2.27	3.16	5.51	1.19	0.86	0.71	0.63	0.55	
19	0.50	0.56	0.75	3.64	4.99	2.56	6.01	1.17	0.85	0.71	0.63	0.55	
20	0.51	0.56	0.72	2.40	5.12	1.98	4.53	1.16	0.84	0.70	0.63	0.55	
21	0.53	0.54	0.71	1.75	4.46	1.79	3.28	1.16	0.83	0.70	0.63	0.55	
22	0.54	0.54	0.99	1.54	3.59	1.70	3.26	1.14	0.82	0.70	0.63	0.55	
23	0.55	0.54	1.47	1.41	2.82	1.91	2.70	1.11	0.82	0.70	0.63	0.59	
24	0.53	0.54	1.13	1.43	2.44	2.06	2.40	1.10	0.81	0.70	0.63	0.75	
25	0.51	0.53	0.99	1.48	2.40	2.22	2.21	1.09	0.81	0.69	0.62	0.62	
26	0.51	0.55	0.90	1.50	4.31	3.02	2.06	1.07	0.80	0.68	0.62	0.60	
27	0.52	0.59	0.89	1.38	4.20	3.42	1.95	1.05	0.79	0.67	0.62	0.58	
28	0.52	0.60	1.08	1.31	3.26	3.86	1.86	1.04	0.79	0.66	0.61	0.56	
29	0.52	0.63	1.46	1.40	2.67	4.56	1.78	1.02	0.80	0.66	0.60	0.56	
30	0.53	0.86	1.16	1.53	2.40	5.76	1.71	1.00	0.80	0.66		0.66	
31		0.96		1.30	2.42		1.67		0.80	0.66		0.89	
MEAN	0.52	0.62	1.07	1.58	2.87	2.70	4.13	1.28	0.88	0.71	0.63	0.59	
MAX	0.55	0.96	2.30	3.64	5.12	5.76	6.77	1.65	1.00	0.80	0.66	0.89	6.77
MIN	0.50	0.53	0.66	0.72	1.17	1.67	1.67	1.00	0.79	0.66	0.60	0.55	0.50

ANNUAL MAX MOMENTARY GAGE HEIGHT 7.01 M (A.D), AT 4.00 HOURS, ON OCT 5, 1983
ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D), RIVER BED -0.73 M (A.D)
LEFT BANK ELEVATION 11.91 M (A.D)
RIGHT BANK ELEVATION 9.49 M (A.D), DRAINAGE AREA 530 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.29	0.35	1.94	3.96	4.68	62.80	217.16	11.75	2.70	1.40	0.74	0.54	
2	0.29	0.38	1.15	3.06	4.44	37.28	180.65	11.07	2.63	1.30	0.74	0.50	
3	0.29	0.41	0.86	2.63	30.00	107.36	96.46	10.58	2.56	1.25	0.74	0.47	
4	0.26	0.74	0.82	2.07	37.28	121.64	182.30	10.10	2.49	1.20	0.70	0.47	
5	0.23	0.66	0.78	1.64	26.68	38.68	211.94	9.62	2.42	1.15	0.70	0.44	
6	0.23	0.58	0.74	1.35	24.54	26.92	125.00	8.98	2.42	1.10	0.66	0.44	
7	0.26	0.82	0.90	1.20	46.10	23.62	56.94	8.34	2.35	1.00	0.66	0.44	
8	0.29	0.82	3.60	1.05	81.80	23.62	58.30	8.02	2.28	1.00	0.62	0.44	
9	0.29	2.07	20.60	1.00	39.80	20.40	62.10	7.40	2.14	1.00	0.62	0.44	
10	0.29	0.74	25.00	3.60	25.48	22.70	53.30	6.80	2.07	1.00	0.62	0.41	
11	0.26	0.66	15.60	15.20	30.00	21.02	180.10	6.95	2.00	1.00	0.62	0.41	
12	0.23	0.58	13.40	7.40	26.92	15.80	191.24	7.10	1.94	1.00	0.62	0.41	
13	0.26	0.47	6.20	21.44	21.86	14.60	101.35	6.65	1.88	1.00	0.62	0.41	
14	0.23	0.44	2.97	23.85	20.20	13.00	92.98	6.35	1.88	1.00	0.58	0.38	
15	0.23	0.44	2.14	15.40	16.60	15.20	151.38	6.06	1.88	1.00	0.58	0.38	
16	0.32	0.38	1.88	32.80	50.66	16.60	184.50	5.78	1.82	1.00	0.62	0.35	
17	0.26	0.38	1.40	37.28	34.48	12.09	119.72	5.36	1.82	1.00	0.62	0.35	
18	0.20	0.38	1.20	44.30	24.31	48.80	147.81	4.68	1.76	0.95	0.62	0.35	
19	0.20	0.38	1.15	64.90	122.12	31.68	174.14	4.44	1.70	0.95	0.62	0.35	
20	0.23	0.38	1.00	27.40	128.36	18.20	100.45	4.32	1.64	0.90	0.62	0.35	
21	0.29	0.32	0.95	13.60	97.34	14.40	52.64	4.32	1.58	0.90	0.62	0.35	
22	0.32	0.32	2.63	9.94	63.15	12.60	51.98	4.08	1.52	0.90	0.62	0.35	
23	0.35	0.32	8.82	7.86	38.96	16.80	35.60	3.72	1.52	0.90	0.62	0.47	
24	0.29	0.32	3.96	8.18	28.44	19.80	27.40	3.60	1.46	0.90	0.62	1.15	
25	0.23	0.29	2.63	8.98	27.40	23.16	22.93	3.51	1.46	0.86	0.58	0.58	
26	0.23	0.35	2.00	9.30	90.83	44.60	19.80	3.33	1.40	0.82	0.58	0.50	
27	0.26	0.47	1.94	7.40	86.20	57.28	17.60	3.15	1.35	0.78	0.58	0.44	
28	0.26	0.50	3.42	6.35	51.98	72.88	15.80	3.06	1.35	0.74	0.54	0.38	
29	0.26	0.62	8.66	7.70	34.76	101.80	14.20	2.88	1.40	0.74	0.50	0.38	
30	0.29	1.76	4.32	9.78	27.40	160.88	12.80	2.70	1.40	0.74		0.74	
31		2.42		6.20	27.92		12.09		1.40	0.74		1.94	
TOTAL	7.92	19.75	142.66	406.82	1370.69	1216.21	2970.66	184.70	58.22	30.22	18.18	15.61	6441.64 CMSDAY
MEAN	0.26	0.64	4.76	13.12	44.22	40.54	95.83	6.16	1.88	0.97	0.63	0.50	17.60 CMS
MAX	0.35	2.42	25.00	64.90	128.36	160.88	217.16	11.75	2.70	1.40	0.74	1.94	217.16 CMS
MIN	0.20	0.29	0.74	1.00	4.44	12.09	12.09	2.70	1.35	0.74	0.50	0.35	0.20 CMS
RUNOFF	0.684	1.706	12.326	35.149	118.428	105.081	256.665	15.958	5.030	2.611	1.571	1.349	556.558 MCM

MOMENTARY PEAK 231.10 CMS, AT 7.01 M (A.D), AT 4.00 HOURS, ON OCT 5, 1983

RUNOFF YIELD 33.21 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 436.04 LITERS/SECOND/SQUARE KM

WATER YEAR 1983

PRACHIN BURI RIVER BASIN

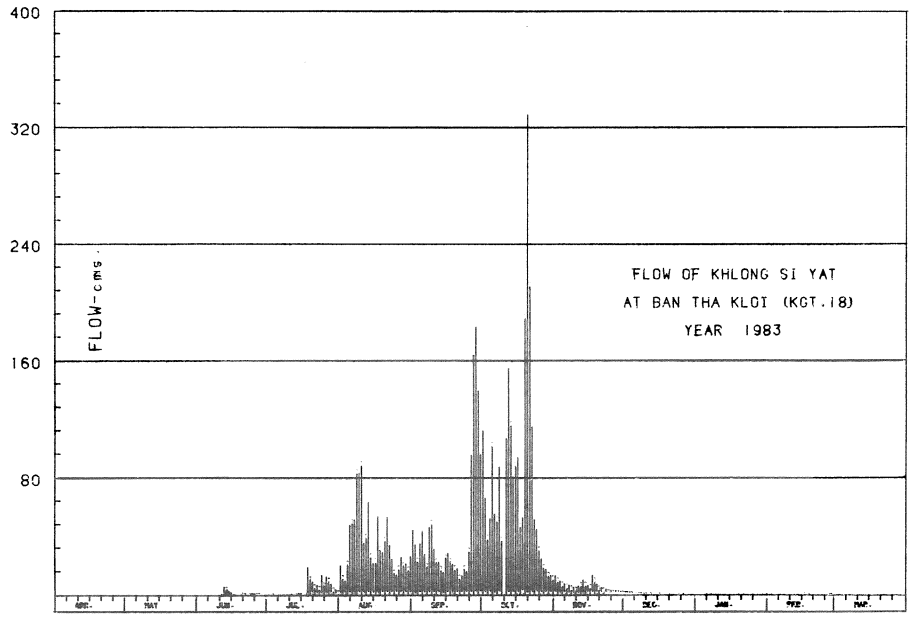
KHLONG SI YAT AT BAN THA KLOI, CHACHOENGSAO (KGT.18)

LOCATION	LAT. 13°-28'-29" N., LONG. 101°-37'-44" E., ON LEFT BANK AT BAN THA KLOI, AMPHOE SANAM CHAI KHET, CHACHOENGSAO.
DRAINAGE AREA	951 SQ.KM.
TYPE OF GAGE	WATER-STAGE RECORDER.
ZERO GAGE AT BOTTOM	+0.00 M. (A.D.)
BENCH MARK	B.M.-H.D.
LOCATION	UNDER THE COCONUT TREE INFRONT OF THE STATION OFFICE.
ELEVATION	+7.213 M. (A.D.)
GAGE READING FREQUENCY	RECORDING.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 24 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1969 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1969 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1969 TO DATE.
STABILITY OF CHANNEL REGIMES	STABLE.
OVERBANK FLOW CONDITIONS	OVERBANK FLOW STARTS AT ELEVATION +6.851 M.(A.D.) AND IS INCLUDED.
GENERAL DESCRIPTION	RECORDS GOOD. STAGE-DISCHARGE RELATION DEFINED BY 87 DISCHARGE MEASUREMENTS MADE IN 1983.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.61	0.53	0.60	1.10	2.98	4.45	6.03	2.47	1.41	0.97	0.89	0.90	
2	0.61	0.52	0.62	1.10	2.49	3.87	5.06	2.32	1.40	0.97	0.87	0.89	
3	0.60	0.52	0.66	1.13	2.18	3.32	4.20	2.16	1.37	0.96	0.86	0.87	
4	0.59	0.52	0.68	1.08	3.18	3.91	4.66	2.10	1.34	0.95	0.85	0.86	
5	0.58	0.52	0.69	1.02	4.50	4.42	5.84	2.01	1.32	0.94	0.84	0.85	
6	0.58	0.53	0.71	1.02	4.63	3.49	4.76	1.98	1.30	0.94	0.85	0.85	
7	0.57	0.58	0.72	0.99	4.64	3.06	4.69	1.94	1.28	0.93	0.84	0.84	
8	0.56	0.58	0.72	0.98	5.49	4.44	5.53	1.88	1.25	0.92	0.83	0.83	
9	0.56	0.58	0.75	0.97	5.45	4.61	4.12	1.81	1.24	0.92	0.83	0.82	
10	0.55	0.58	0.84	0.95	5.60	3.70	4.14	1.79	1.21	0.91	0.83	0.82	
11	0.55	0.58	1.37	1.04	3.93	3.30	5.93	1.88	1.20	0.89	0.82	0.81	
12	0.54	0.57	1.84	1.03	4.22	3.14	6.59	2.07	1.18	0.88	0.84	0.82	
13	0.53	0.56	1.81	1.05	4.99	2.93	6.09	2.22	1.16	0.88	0.83	0.82	
14	0.53	0.55	1.51	1.25	3.52	2.64	5.40	2.09	1.14	0.88	0.86	0.81	
15	0.52	0.55	1.33	1.18	3.08	3.44	5.58	1.91	1.12	0.87	0.85	0.81	
16	0.52	0.54	1.22	1.10	3.30	3.53	5.66	1.96	1.11	0.87	1.13	0.78	
17	0.51	0.55	1.17	1.25	4.71	3.30	4.54	2.49	1.10	0.87	1.06	0.78	
18	0.50	0.60	1.08	2.89	3.79	3.04	4.68	2.31	1.08	0.87	1.04	0.77	
19	0.49	0.62	1.08	2.42	3.57	2.97	6.97	1.98	1.08	0.88	0.99	0.77	
20	0.49	0.63	1.32	2.13	4.11	2.83	7.55	1.85	1.07	0.87	0.94	0.76	
21	0.48	0.62	1.18	1.96	4.69	2.48	7.13	1.78	1.04	0.87	0.93	0.76	
22	0.48	0.62	1.13	1.94	3.99	2.47	6.03	1.73	1.03	0.87	0.94	0.77	
23	0.47	0.61	1.13	1.86	3.28	2.96	4.71	1.67	1.02	0.88	0.93	0.78	
24	0.46	0.60	1.24	2.49	2.76	2.69	4.38	1.62	1.01	0.88	0.91	0.76	
25	0.46	0.59	1.17	2.07	2.51	3.72	3.78	1.58	1.02	0.90	0.90	0.76	
26	0.48	0.59	1.24	2.42	2.95	5.69	3.30	1.55	1.01	0.92	0.89	0.78	
27	0.54	0.59	1.24	2.33	3.37	6.72	3.02	1.52	1.00	0.91	1.05	0.79	
28	0.53	0.59	1.19	2.00	3.11	6.90	2.80	1.48	0.99	0.90	0.99	0.78	
29	0.53	0.60	1.14	1.76	3.07	6.44	2.63	1.46	0.99	0.90	0.94	0.79	
30	0.53	0.59	1.07	1.66	2.90	5.70	2.49	1.42	0.99	0.90		0.79	
31		0.59		1.57	3.40		2.45		0.98	0.90		0.79	
MEAN	0.53	0.57	1.08	1.54	3.75	3.87	4.86	1.90	1.14	0.90	0.91	0.81	
MAX	0.61	0.63	1.84	2.89	5.60	6.90	7.55	2.49	1.41	0.97	1.13	0.90	7.55
MIN	0.46	0.52	0.60	0.95	2.18	2.47	2.45	1.42	0.98	0.87	0.82	0.76	0.46

ANNUAL MAX MOMENTARY GAGE HEIGHT 7.64 M (A.D), AT 7.00 HOURS, ON OCT 20, 1983
ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D), RIVER BED 0.17 M (A.D)
LEFT BANK ELEVATION 7.42 M (A.D)
RIGHT BANK ELEVATION 6.85 M (A.D), DRAINAGE AREA 951 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.01	0.00	0.00	1.00	20.32	46.75	114.80	13.44	2.36	0.61	0.38	0.40	
2	0.01	0.00	0.02	1.00	13.68	34.56	66.40	11.64	2.30	0.61	0.34	0.38	
3	0.00	0.00	0.06	1.09	9.96	25.22	41.00	9.72	2.12	0.58	0.32	0.34	
4	0.00	0.00	0.08	0.94	23.12	35.29	52.30	9.00	1.94	0.55	0.30	0.32	
5	0.00	0.00	0.09	0.76	48.00	46.00	103.70	7.92	1.82	0.52	0.28	0.30	
6	0.00	0.00	0.11	0.76	51.40	27.94	55.42	7.56	1.70	0.52	0.30	0.30	
7	0.00	0.00	0.12	0.67	51.70	21.44	53.20	7.08	1.62	0.49	0.28	0.28	
8	0.00	0.00	0.12	0.64	85.50	46.50	87.50	6.38	1.50	0.46	0.26	0.26	
9	0.00	0.00	0.15	0.61	83.50	50.80	39.40	5.61	1.46	0.46	0.26	0.24	
10	0.00	0.00	0.28	0.55	91.00	31.50	39.80	5.40	1.34	0.43	0.26	0.24	
11	0.00	0.00	2.12	0.82	35.67	24.90	108.80	6.38	1.30	0.38	0.24	0.22	
12	0.00	0.00	5.94	0.79	41.40	22.56	154.70	8.64	1.24	0.36	0.28	0.24	
13	0.00	0.00	5.61	0.85	63.62	19.62	118.40	10.44	1.18	0.36	0.26	0.24	
14	0.00	0.00	2.96	1.50	28.44	15.62	81.00	8.88	1.12	0.36	0.32	0.22	
15	0.00	0.00	1.88	1.24	21.72	27.14	90.00	6.72	1.06	0.34	0.30	0.22	
16	0.00	0.00	1.38	1.00	24.90	28.61	94.00	7.32	1.03	0.34	1.09	0.18	
17	0.00	0.00	1.21	1.50	53.82	24.90	49.00	13.68	1.00	0.34	0.88	0.18	
18	0.00	0.00	0.94	19.06	33.12	21.16	52.90	11.52	0.94	0.34	0.82	0.17	
19	0.00	0.02	0.94	12.84	29.29	20.18	191.20	7.56	0.94	0.36	0.67	0.17	
20	0.00	0.03	1.82	9.36	39.20	18.22	329.00	6.05	0.91	0.34	0.52	0.16	
21	0.00	0.02	1.24	7.32	53.20	13.56	213.50	5.30	0.82	0.34	0.49	0.16	
22	0.00	0.02	1.09	7.08	36.81	13.44	114.80	4.80	0.79	0.34	0.52	0.17	
23	0.00	0.01	1.09	6.16	24.60	20.04	53.82	4.20	0.76	0.36	0.49	0.18	
24	0.00	0.00	1.46	13.68	17.24	16.27	45.00	3.70	0.73	0.36	0.43	0.16	
25	0.00	0.00	1.21	8.64	13.93	31.86	32.94	3.38	0.76	0.40	0.40	0.16	
26	0.00	0.00	1.46	12.84	19.90	95.50	24.90	3.20	0.73	0.46	0.38	0.18	
27	0.00	0.00	1.46	11.76	26.02	166.30	20.88	3.02	0.70	0.43	0.85	0.19	
28	0.00	0.00	1.27	7.80	22.14	183.50	17.80	2.78	0.67	0.40	0.67	0.18	
29	0.00	0.00	1.12	5.10	21.58	143.00	15.49	2.66	0.67	0.40	0.52	0.19	
30	0.00	0.00	0.91	4.10	19.20	96.00	13.68	2.42	0.67	0.40		0.19	
31		0.00		3.32	26.50		13.20		0.64	0.40		0.19	
TOTAL	0.02	0.10	38.14	144.78	1130.48	1368.38	2488.53	206.40	36.82	13.04	13.11	7.01	5446.81 CMSDAY
MEAN	0.00	0.00	1.27	4.67	36.47	45.61	80.28	6.88	1.19	0.42	0.45	0.23	14.88 CMS
MAX	0.01	0.03	5.94	19.06	91.00	183.50	329.00	13.68	2.36	0.61	1.09	0.40	329.00 CMS
MIN	0.00	0.00	0.00	0.55	9.96	13.44	13.20	2.42	0.64	0.34	0.24	0.16	0.00 CMS
RUNOFF	0.002	0.009	3.295	12.509	97.673	118.228	215.009	17.833	3.181	1.127	1.133	0.606	470.604 MCM

MOMENTARY PEAK 383.00 CMS, AT 7.64 M (A.D), AT 7.00 HOURS, ON OCT 20, 1983
RUNOFF YIELD 15.65 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 402.73 LITERS/SECOND/SQUARE KM

WATER YEAR 1983

PRACHIN BURI RIVER BASIN

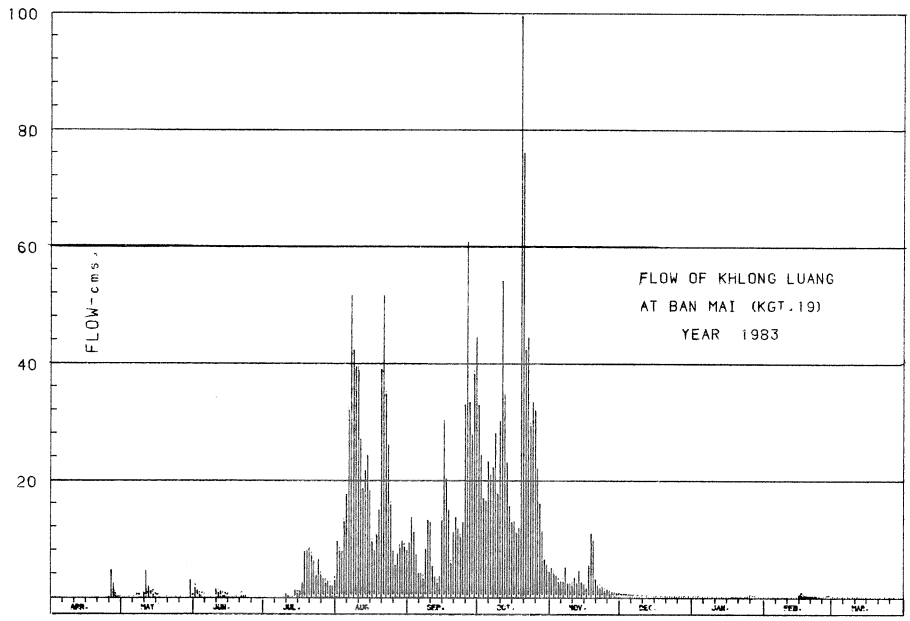
KHLONG LUANG AT BAN MAI, CHON BURI (KGT.19)

LOCATION	LAT. 13°-23'-17" N., LONG. 101°-20'-40" E., ON LEFT BANK ABOUT 4 KILOMETERS EAST OF KHOK PHO MARKET AND ABOUT 16 KILOMETERS FROM AMPHOE PHANAT NIKHOM, CHON BURI.
DRAINAGE AREA	535 SQ.KM.
TYPE OF GAGE	WATER-STAGE RECORDER.
ZERO GAGE AT BOTTOM	+20.124 M.(M.S.L.)
BENCH MARK	B.M.-H.D.
LOCATION	BESIDE THE METEOROLOGICAL STATION.
ELEVATION	+25.658 M. (M.S.L.)
GAGE READING FREQUENCY	RECORDING.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 24 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1965 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1965 - 1974
RATED BY FLOAT	-
RATED BY CURRENT METER	1965 - 1974
STABILITY OF CHANNEL REGIMES	FAIRLY STABLE.
OVERBANK FLOW CONDITIONS	OVERBANK FLOW STARTS AT ELEVATION +25.390 M.(M.S.L.)
GENERAL DESCRIPTION	RECORDS GOOD. STAGE-DISCHARGE RELATION DEFINED BY 336 DISCHARGE MEASUREMENTS MADE DURING 1972-1974.

GAGE HEIGHT IN METER (MSL), WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	20.66	20.88	21.68	20.68	23.45	23.50	25.34	22.49	21.10	20.82	20.66	20.76	
2	20.66	20.84	21.36	20.68	23.24	24.08	25.01	22.35	21.09	20.84	20.65	20.74	
3	20.66	20.84	21.22	20.72	23.12	23.80	24.51	22.15	21.08	20.83	20.63	20.71	
4	20.64	20.81	21.22	20.69	24.05	23.01	24.41	22.00	21.04	20.78	20.62	20.68	
5	20.64	20.80	21.11	20.66	24.53	22.40	24.97	21.86	21.03	20.74	20.62	20.68	
6	20.63	20.94	21.00	20.63	25.32	22.26	24.80	22.02	21.01	20.74	20.61	20.67	
7	20.62	21.10	20.98	20.61	25.55	22.18	24.92	22.50	20.99	20.72	20.60	20.69	
8	20.52	21.08	20.94	20.62	25.48	23.20	25.18	21.93	20.98	20.72	20.60	20.70	
9	20.48	20.97	20.93	20.67	25.44	24.08	24.59	21.74	20.96	20.71	20.59	20.68	
10	20.47	21.41	21.43	21.06	25.44	23.96	25.25	21.80	20.95	20.70	20.62	20.67	
11	20.46	22.37	21.39	20.82	25.14	22.69	25.57	22.06	20.94	20.70	20.61	20.66	
12	20.46	21.74	21.30	20.71	24.66	22.09	25.37	21.95	20.92	20.69	20.62	20.64	
13	20.46	21.31	21.24	20.77	24.85	21.96	24.96	22.36	20.91	20.68	20.63	20.64	
14	20.46	21.36	21.20	21.34	25.03	22.12	24.31	21.98	20.89	20.68	20.63	20.62	
15	20.46	21.15	21.09	21.31	24.59	24.07	24.04	21.71	20.88	20.72	20.96	20.62	
16	20.45	21.04	20.99	21.29	23.52	25.26	23.98	21.67	20.88	20.72	21.18	20.62	
17	20.45	20.98	21.10	21.77	23.14	24.79	23.77	22.59	20.88	20.70	20.94	20.60	
18	20.45	20.94	20.98	23.11	23.70	24.24	23.82	23.75	20.87	20.70	20.86	20.59	
19	20.44	20.92	20.94	23.26	24.24	22.80	25.90	23.48	20.85	20.68	20.82	20.58	
20	20.44	20.85	21.01	23.24	25.44	23.71	25.69	22.12	20.85	20.68	20.80	20.58	
21	20.44	20.80	21.20	23.08	25.55	24.15	25.48	21.66	20.84	20.68	20.86	20.60	
22	20.44	20.80	21.00	22.78	25.38	23.80	25.50	21.68	20.82	20.68	20.82	20.60	
23	20.43	20.78	20.89	22.29	25.10	23.65	25.24	21.57	20.82	20.74	20.80	20.70	
24	20.43	20.76	20.82	22.84	24.40	23.96	25.34	21.48	20.80	20.81	20.77	20.70	
25	20.72	20.74	20.76	22.31	23.13	25.34	25.32	21.42	20.80	20.95	20.76	20.68	
26	22.48	20.74	20.73	21.99	22.74	25.61	24.87	21.32	20.78	20.87	20.80	20.66	
27	21.76	20.73	20.70	21.98	23.04	25.35	24.42	21.24	20.82	20.78	20.91	20.64	
28	21.16	20.75	20.71	21.86	23.33	25.17	23.73	21.19	20.82	20.74	20.91	20.62	
29	20.97	20.78	20.70	21.82	23.46	25.43	22.95	21.15	20.82	20.72	20.84	20.62	
30	20.91	22.04	20.69	21.61	23.37	25.50	22.62	21.14	20.82	20.70		20.62	
31		21.05		22.08	23.15		22.46		20.82	20.68		20.62	
MEAN	20.67	21.04	21.04	21.59	24.28	23.81	24.66	21.95	20.91	20.74	20.75	20.65	
MAX	22.48	22.37	21.68	23.26	25.55	25.61	25.90	23.75	21.10	20.95	21.18	20.76	25.90
MIN	20.43	20.73	20.69	20.61	22.74	21.96	22.46	21.14	20.78	20.68	20.59	20.58	20.43

ANNUAL MAX MOMENTARY GAGE HEIGHT 26.29 M (MSL), AT 10.00 HOURS, ON OCT 19, 1983
ZERO GAGE AT BOTTOM ELEVATION 20.12 M (MSL), RIVER BED 20.16 M (MSL)
LEFT BANK ELEVATION 25.38 M (MSL)
RIGHT BANK ELEVATION 25.52 M (MSL), DRAINAGE AREA 535 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.13	0.33	2.24	0.14	9.63	9.90	33.44	5.11	0.70	0.27	0.13	0.21	
2	0.13	0.29	1.30	0.14	8.50	13.71	24.40	4.55	0.68	0.29	0.13	0.19	
3	0.13	0.29	0.95	0.17	7.90	11.75	17.50	3.78	0.66	0.28	0.12	0.16	
4	0.12	0.26	0.95	0.14	13.50	7.35	16.50	3.25	0.58	0.23	0.11	0.14	
5	0.12	0.25	0.72	0.13	17.70	4.75	23.69	2.78	0.56	0.19	0.11	0.14	
6	0.12	0.41	0.50	0.12	32.52	4.19	21.00	3.32	0.52	0.19	0.11	0.13	
7	0.11	0.70	0.47	0.11	51.75	3.88	22.84	5.15	0.49	0.17	0.10	0.14	
8	0.06	0.66	0.41	0.11	42.84	8.30	28.12	3.01	0.47	0.17	0.10	0.15	
9	0.04	0.46	0.40	0.13	39.52	13.71	18.30	2.42	0.44	0.16	0.09	0.14	
10	0.04	1.43	1.49	0.62	39.52	12.87	30.10	2.60	0.43	0.15	0.11	0.13	
11	0.03	4.63	1.38	0.27	27.16	5.91	54.65	3.46	0.41	0.15	0.11	0.13	
12	0.03	2.42	1.15	0.16	19.12	3.56	34.82	3.08	0.38	0.14	0.11	0.12	
13	0.03	1.18	1.00	0.22	21.75	3.11	23.52	4.59	0.37	0.14	0.12	0.12	
14	0.03	1.30	0.90	1.25	24.80	3.67	15.59	3.18	0.34	0.14	0.12	0.11	
15	0.03	0.80	0.68	1.18	18.30	13.64	13.43	2.33	0.33	0.17	0.44	0.11	
16	0.03	0.58	0.49	1.13	10.02	30.40	13.01	2.21	0.33	0.17	0.86	0.11	
17	0.03	0.47	0.70	2.51	8.00	20.86	11.56	5.51	0.33	0.15	0.41	0.10	
18	0.03	0.41	0.47	7.85	11.10	14.99	11.89	11.43	0.32	0.15	0.31	0.09	
19	0.02	0.38	0.41	8.60	14.99	6.35	138.00	9.79	0.30	0.14	0.27	0.09	
20	0.02	0.30	0.52	8.50	39.52	11.17	76.10	3.67	0.30	0.14	0.25	0.09	
21	0.02	0.25	0.90	7.70	51.75	14.25	42.84	2.18	0.29	0.14	0.31	0.10	
22	0.02	0.25	0.50	6.27	35.28	11.75	44.50	2.24	0.27	0.14	0.27	0.10	
23	0.02	0.23	0.34	4.31	26.20	10.80	29.80	1.91	0.27	0.19	0.25	0.15	
24	0.02	0.21	0.27	6.53	16.40	12.87	33.44	1.64	0.25	0.26	0.22	0.15	
25	0.17	0.19	0.21	4.39	7.95	33.44	32.52	1.46	0.25	0.43	0.21	0.14	
26	5.07	0.19	0.18	3.22	6.11	60.90	22.05	1.20	0.23	0.32	0.25	0.13	
27	2.48	0.18	0.15	3.18	7.50	33.90	16.60	1.00	0.27	0.23	0.37	0.12	
28	0.82	0.20	0.16	2.78	8.97	27.88	11.30	0.88	0.27	0.19	0.37	0.11	
29	0.46	0.23	0.15	2.66	9.68	38.69	7.05	0.80	0.27	0.17	0.29	0.11	
30	0.37	3.39	0.14	2.03	9.19	44.50	5.63	0.78	0.27	0.15		0.11	
31		0.60		3.53	8.05		4.99		0.27	0.14		0.11	
TOTAL	10.73	23.47	20.13	80.08	645.22	493.05	879.18	99.31	11.85	5.95	6.65	3.93	2279.55 CMSDAY
MEAN	0.36	0.76	0.67	2.58	20.81	16.43	28.36	3.31	0.38	0.19	0.23	0.13	6.23 CMS
MAX	5.07	4.63	2.24	8.60	51.75	60.90	138.00	11.43	0.70	0.43	0.86	0.21	138.00 CMS
MIN	0.02	0.18	0.14	0.11	6.11	3.11	4.99	0.78	0.23	0.14	0.09	0.09	0.02 CMS
RUNOFF	0.927	2.028	1.739	6.919	55.747	42.600	75.961	8.580	1.024	0.514	0.575	0.340	196.953 MCM

MOMENTARY PEAK 303.20 CMS, AT 26.29 M (MSL), AT 10.00 HOURS, ON OCT 19, 1983

RUNOFF YIELD 11.64 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 566.73 LITERS/SECOND/SQUARE KM

WATER YEAR 1983

PRACHIN BURI RIVER BASIN

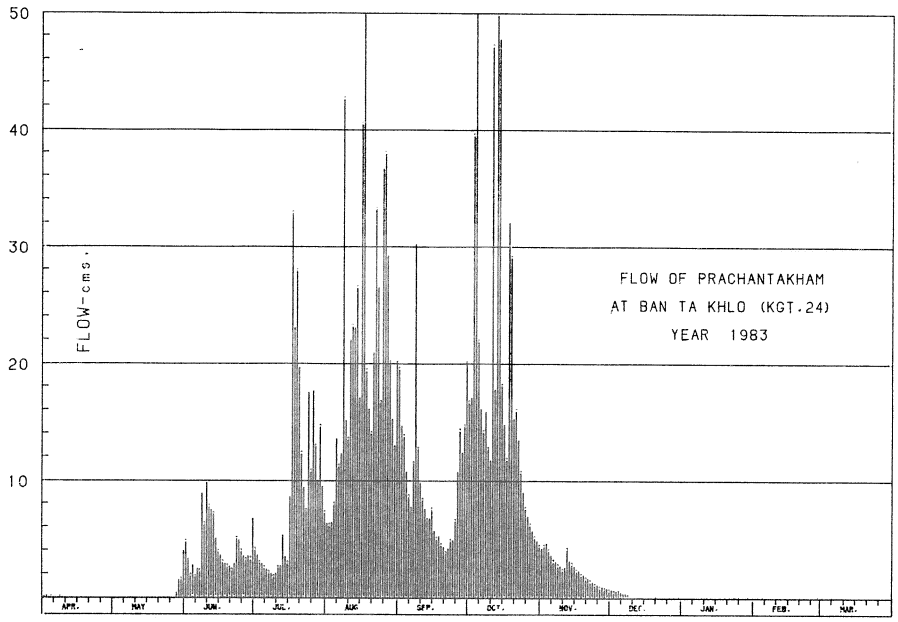
PRACHANTAKHAM RIVER AT BAN TAKHLO, PRACHIN BURI (KGT.24)

LOCATION	LAT. 14°-10'-34" N., LONG. 101°-35'-30" E., ON RIGHT BANK AT BAN TAKHRO, AMPHOE PRACHANTAKHAM, PRACHIN BURI.
DRAINAGE AREA	121 SQ.KM.
TYPE OF GAGE	WATER-STAGE RECORDER.
ZERO GAGE AT BOTTOM	+0.00 M. (A.D.)
BENCH MARK	B.M.-H.D.
LOCATION	NEAR THE STATION OFFICE.
ELEVATION	+8.365 M. (A.D.)
GAGE READING FREQUENCY	RECORDING.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 24 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1971 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1971 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1971 TO DATE.
STABILITY OF CHANNEL REGIMES	FAIRLY STABLE WITH VARIABLE WATER SURFACE SLOPE.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS GOOD. FLOW REGULATED BY PRACHANTAKHAM DAM. STAGE-DISCHARGE RELATION DEFINED BY 190 DISCHARGE MEASUREMENTS MADE IN 1983.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.67	0.62	1.48	1.38	1.68	2.89	2.66	1.37	0.79	0.59	0.51	0.53	
2	0.67	0.61	1.23	1.28	1.68	2.48	2.68	1.42	0.78	0.60	0.50	0.52	
3	0.66	0.63	1.02	1.20	1.69	2.42	4.12	1.44	0.77	0.59	0.50	0.52	
4	0.66	0.63	1.14	1.16	1.88	2.14	4.66	1.36	0.78	0.58	0.51	0.51	
5	0.66	0.65	1.00	1.13	2.39	1.95	3.06	1.28	0.75	0.57	0.50	0.51	
6	0.66	0.62	1.09	1.08	2.20	1.84	2.60	1.22	0.73	0.57	0.50	0.51	
7	0.66	0.61	1.08	1.06	2.28	2.22	2.45	1.19	0.73	0.56	0.49	0.51	
8	0.66	0.63	1.96	1.02	4.28	3.59	2.58	1.16	0.72	0.55	0.49	0.51	
9	0.66	0.65	1.69	1.00	2.52	2.33	2.33	1.13	0.70	0.55	0.49	0.50	
10	0.65	0.64	2.05	1.02	2.40	2.05	2.23	1.09	0.69	0.55	0.49	0.50	
11	0.65	0.64	1.86	1.13	3.06	1.92	4.50	1.11	0.68	0.54	0.49	0.50	
12	0.65	0.64	1.81	1.13	3.15	1.82	2.74	1.38	0.68	0.53	0.49	0.50	
13	0.65	0.64	1.79	1.54	3.13	1.73	5.02	1.20	0.67	0.54	0.49	0.50	
14	0.65	0.63	1.50	1.26	3.37	1.73	4.52	1.18	0.66	0.54	0.49	0.48	
15	0.65	0.63	1.35	1.19	2.68	1.83	2.78	1.12	0.65	0.53	0.49	0.48	
16	0.65	0.63	1.28	1.93	4.17	1.60	2.49	1.08	0.64	0.54	0.49	0.47	
17	0.64	0.62	1.21	3.76	4.67	1.52	2.25	1.06	0.63	0.53	0.50	0.48	
18	0.63	0.61	1.16	3.13	2.88	1.53	3.70	1.02	0.63	0.53	0.53	0.47	
19	0.63	0.61	1.15	3.46	2.60	1.44	3.53	1.00	0.62	0.53	0.54	0.47	
20	0.63	0.63	1.12	2.89	2.44	1.39	2.53	0.97	0.62	0.53	0.54	0.47	
21	0.63	0.64	1.09	2.30	2.98	1.33	2.60	0.95	0.61	0.53	0.53	0.47	
22	0.62	0.65	1.16	2.01	3.78	1.37	2.38	0.93	0.60	0.52	0.53	0.46	
23	0.62	0.65	1.52	1.82	3.36	1.49	2.15	0.90	0.59	0.53	0.52	0.48	
24	0.62	0.68	1.48	2.72	2.66	1.48	1.97	0.88	0.59	0.52	0.52	0.47	
25	0.62	0.66	1.36	2.16	3.96	1.72	1.84	0.86	0.58	0.52	0.52	0.47	
26	0.62	0.67	1.27	2.73	4.04	2.14	1.75	0.84	0.58	0.52	0.51	0.47	
27	0.61	0.67	1.24	2.35	3.53	2.46	1.68	0.83	0.58	0.52	0.55	0.47	
28	0.60	0.78	1.27	2.07	2.93	2.29	1.60	0.82	0.57	0.52	0.54	0.47	
29	0.60	0.93	1.26	2.49	2.53	2.49	1.53	0.81	0.58	0.51	0.54	0.49	
30	0.61	0.96	1.73	2.02	2.34	2.93	1.47	0.80	0.59	0.51		0.52	
31		1.34		1.80	2.93		1.42		0.59	0.51		0.55	
MEAN	0.64	0.68	1.38	1.85	2.91	2.00	2.70	1.08	0.66	0.54	0.51	0.49	
MAX	0.67	1.34	2.05	3.76	4.67	3.59	5.02	1.44	0.79	0.60	0.55	0.55	5.02
MIN	0.60	0.61	1.00	1.00	1.68	1.33	1.42	0.80	0.57	0.51	0.49	0.46	0.46

ANNUAL MAX MOMENTARY GAGE HEIGHT 6.39 M (A.D), AT 2.00 HOURS, ON AUG 8, 1983
ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D), RIVER BED 0.13 M (A.D)
LEFT BANK ELEVATION 8.11 M (A.D)
RIGHT BANK ELEVATION 8.28 M (A.D), DRAINAGE AREA 121 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.14	0.11	4.92	4.27	6.34	19.67	16.82	4.21	0.69	0.10	0.06	0.06	
2	0.14	0.11	3.33	3.63	6.34	14.66	17.06	4.53	0.63	0.10	0.05	0.06	
3	0.13	0.12	2.07	3.15	6.42	13.94	39.68	4.66	0.57	0.10	0.05	0.06	
4	0.13	0.12	2.79	2.91	8.12	10.74	50.93	4.14	0.63	0.09	0.06	0.06	
5	0.13	0.13	1.95	2.73	13.58	8.80	22.04	3.63	0.45	0.09	0.05	0.06	
6	0.13	0.11	2.49	2.43	11.40	7.76	16.10	3.27	0.33	0.09	0.05	0.06	
7	0.13	0.11	2.43	2.31	12.28	11.62	14.30	3.09	0.33	0.08	0.05	0.06	
8	0.13	0.12	8.90	2.07	42.80	30.20	15.86	2.91	0.27	0.08	0.05	0.06	
9	0.13	0.13	6.42	1.95	15.14	12.86	12.86	2.73	0.15	0.08	0.05	0.05	
10	0.13	0.12	9.80	2.07	13.70	9.80	11.73	2.49	0.15	0.08	0.05	0.05	
11	0.13	0.12	7.94	2.73	22.04	8.50	47.30	2.61	0.14	0.07	0.05	0.05	
12	0.13	0.12	7.49	2.73	23.35	7.58	17.78	4.27	0.14	0.06	0.05	0.05	
13	0.13	0.12	7.31	5.31	23.05	6.77	59.50	3.15	0.14	0.07	0.05	0.05	
14	0.13	0.12	5.05	3.51	26.65	6.77	47.75	3.03	0.13	0.07	0.05	0.04	
15	0.13	0.12	4.08	3.09	17.06	7.67	18.26	2.67	0.13	0.06	0.05	0.04	
16	0.13	0.12	3.63	8.60	40.63	5.70	14.78	2.43	0.12	0.07	0.05	0.04	
17	0.12	0.11	3.21	33.03	51.15	5.18	11.95	2.31	0.12	0.06	0.05	0.04	
18	0.12	0.11	2.91	23.05	19.54	5.24	32.03	2.07	0.12	0.06	0.06	0.04	
19	0.12	0.11	2.85	28.06	16.10	4.66	29.20	1.95	0.11	0.06	0.07	0.04	
20	0.12	0.12	2.67	19.67	14.18	4.34	15.26	1.77	0.11	0.06	0.07	0.04	
21	0.12	0.12	2.49	12.50	20.92	3.95	16.10	1.65	0.11	0.06	0.06	0.04	
22	0.11	0.13	2.91	9.40	33.37	4.21	13.46	1.53	0.10	0.06	0.06	0.03	
23	0.11	0.13	5.18	7.58	26.50	4.99	10.85	1.35	0.10	0.06	0.06	0.04	
24	0.11	0.14	4.92	17.54	16.82	4.92	9.00	1.23	0.10	0.06	0.06	0.04	
25	0.11	0.13	4.14	10.96	36.64	6.68	7.76	1.11	0.09	0.06	0.06	0.04	
26	0.11	0.14	3.57	17.66	38.16	10.74	6.95	0.99	0.09	0.06	0.06	0.04	
27	0.11	0.14	3.39	13.10	29.20	14.42	6.34	0.93	0.09	0.06	0.08	0.04	
28	0.10	0.63	3.57	10.00	20.22	12.39	5.70	0.87	0.09	0.06	0.07	0.04	
29	0.10	1.53	3.51	14.78	15.26	14.78	5.24	0.81	0.09	0.06	0.07	0.05	
30	0.11	1.71	6.77	9.50	12.98	20.22	4.86	0.75	0.10	0.06		0.06	
31		4.01		7.40	20.22		4.53		0.10	0.06		0.08	
TOTAL	3.67	11.16	132.69	287.72	660.16	299.76	601.98	73.14	6.52	2.19	1.65	1.51	2082.15 CMSDAY
MEAN	0.12	0.36	4.42	9.28	21.30	9.99	19.42	2.44	0.21	0.07	0.06	0.05	5.69 CMS
MAX	0.14	4.01	9.80	33.03	51.15	30.20	59.50	4.66	0.69	0.10	0.08	0.08	59.50 CMS
MIN	0.10	0.11	1.95	1.95	6.34	3.95	4.53	0.75	0.09	0.06	0.05	0.03	0.03 CMS
RUNOFF	0.317	0.964	11.464	24.859	57.038	25.899	52.011	6.319	0.563	0.189	0.143	0.130	179.898 MCM

MOMENTARY PEAK 99.36 CMS, AT 6.39 M (A.D), AT 2.00 HOURS, ON AUG 8, 1983

RUNOFF YIELD 47.02 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 821.16 LITERS/SECOND/SQUARE KM

WATER YEAR 1983

PRACHIN BURI RIVER BASIN

KHLONG RABOM AT BAN CHAM PA NGAM, CHACHOENGSAO (KGT.25)

LOCATION — LAT. 13°-41'-09" N., LONG. 101°-36'-32" E., ON LEFT BANK AT BAN CHAM PA NGAM, AMPHOE SANAM CHAI KHET, CHACHOENGSAO

DRAINAGE AREA — 243 SQ.KM.

TYPE OF GAGE — STAFF GAGE.

ZERO GAGE AT BOTTOM — +0.00 M. (A.D.)

BENCH MARK — B.M.-H.D.

LOCATION — B.M.1 ON LEFT BANK NEAR THE GAGE SITE, B.M.2 INFRONT OF THE OBSERVER'S HOUSE.

ELEVATION — B.M.1=+4.877 M. (A.D.), B.M.2=+8.490 M. (A.D.)

GAGE READING FREQUENCY — 5-TIME DAILY READINGS AT 06.00, 09.00, 12.00, 15.00 AND 18.00 HOURS.

BASIS OF MEAN DAILY GAGE HEIGHT — ARITHMETIC MEAN OF 5 READINGS.

PERIOD OF AVAILABLE GAGE RECORDS — 1978 TO DATE.

RATING OPERATION

PERIOD OF RATING — 1978 TO DATE.

RATED BY FLOAT

RATED BY CURRENT METER — 1978 TO DATE.

STABILITY OF CHANNEL REGIMES — FAIRLY STABLE WITH VARIABLE WATER SURFACE SLOPE.

OVERBANK FLOW CONDITIONS — OVERBANK FLOW STARTS AT ELEVATION +4.67 M.(A.D.) AND IS INCLUDED.

GENERAL DESCRIPTION — RECORDS GOOD. THE MEASURING LINE ABOUT 300 METERS DOWNSTREAM FROM THE LOCAL RESIDENT WEIR. STAGE-DISCHARGE RELATION DEFINED BY 88 DISCHARGE MEASUREMENTS MADE IN 1983.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

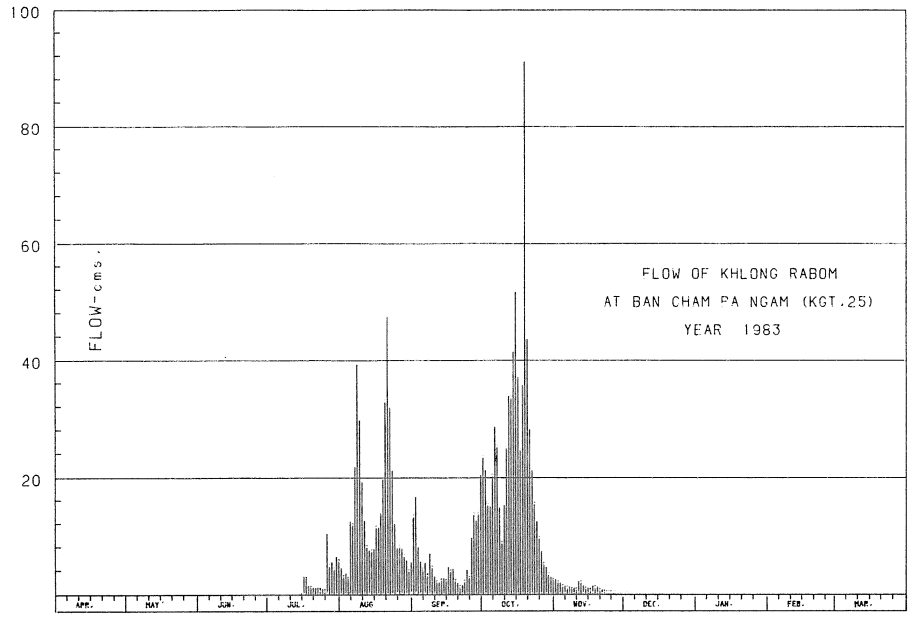
DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.28	0.02	0.00	0.00	2.19	3.83	4.60	1.65	0.75	2.84	2.75	2.75	
2	0.28	0.02	0.00	0.00	1.90	4.13	4.46	1.57	0.77	2.84	2.75	2.72	
3	0.28	0.02	0.00	0.00	1.97	3.12	4.03	1.45	0.77	2.83	2.75	2.72	
4	0.27	0.03	0.00	0.00	1.80	2.47	3.98	1.36	0.77	2.83	2.75	2.70	
5	0.27	0.04	0.00	0.00	3.62	2.20	4.42	1.27	0.83	2.82	2.74	2.70	
6	0.27	0.04	0.00	0.00	3.56	2.42	4.83	1.23	1.79	2.82	2.73	2.70	
7	0.26	0.04	0.00	0.00	4.50	1.96	4.69	1.21	2.33	2.81	2.72	2.70	
8	0.26	0.03	0.00	0.00	5.22	2.81	3.96	1.13	2.63	2.81	2.72	2.69	
9	0.25	0.03	0.00	0.00	4.88	2.29	3.21	1.09	2.90	2.80	2.72	2.69	
10	0.25	0.03	0.00	0.00	4.36	1.81	4.00	1.09	2.98	2.80	2.72	2.68	
11	0.24	0.02	0.00	0.00	3.65	1.59	4.68	1.54	2.97	2.79	2.72	2.68	
12	0.22	0.02	0.00	0.00	3.10	1.46	5.04	1.57	2.95	2.79	2.72	2.67	
13	0.21	0.02	0.00	0.00	2.92	1.69	5.04	1.30	2.93	2.80	2.72	2.66	
14	0.20	0.02	0.00	0.13	2.95	1.71	5.27	1.18	2.90	2.80	2.72	2.65	
15	0.19	0.02	0.00	0.61	2.97	1.66	5.53	1.09	2.88	2.79	2.76	2.65	
16	0.17	0.01	0.00	1.82	3.49	2.24	5.14	1.05	2.87	2.79	2.76	2.64	
17	0.15	0.01	0.00	1.80	3.47	2.13	4.66	1.27	2.86	2.79	2.76	2.64	
18	0.13	0.01	0.00	1.30	3.91	2.16	5.10	1.27	2.86	2.79	2.76	2.63	
19	0.10	0.00	0.00	1.28	4.36	1.67	5.99	1.20	2.85	2.79	2.76	2.63	
20	0.08	0.00	0.00	1.14	5.02	1.44	5.33	1.05	2.84	2.78	2.75	2.62	
21	0.08	0.00	0.00	1.09	5.43	1.33	4.83	0.94	2.84	2.78	2.75	2.61	
22	0.08	0.00	0.00	1.15	4.99	1.33	4.46	0.90	2.83	2.78	2.75	2.61	
23	0.07	0.00	0.00	1.11	4.46	1.62	4.05	0.87	2.82	2.78	2.75	2.60	
24	0.07	0.00	0.00	1.04	3.62	2.12	3.62	0.85	2.82	2.78	2.75	2.60	
25	0.06	0.00	0.00	1.01	2.99	1.82	3.35	0.86	2.82	2.77	2.75	2.59	
26	0.06	0.00	0.00	3.41	3.11	3.31	2.89	0.85	2.82	2.77	2.75	2.59	
27	0.05	0.00	0.00	2.35	2.98	3.87	2.44	0.83	2.82	2.76	2.75	2.59	
28	0.05	0.00	0.00	2.45	2.78	3.65	2.23	0.81	2.81	2.76	2.75	2.59	
29	0.04	0.00	0.00	2.24	2.52	3.88	1.99	0.76	2.82	2.76	2.75	2.58	
30	0.04	0.00	0.00	2.68	2.14	4.41	1.78	0.75	2.84	2.76		2.58	
31		0.00		2.58	2.44		1.71		2.84	2.76		2.58	
MEAN	0.17	0.01	0.00	0.94	3.46	2.40	4.11	1.13	2.47	2.79	2.74	2.65	
MAX	0.28	0.04	0.00	3.41	5.43	4.41	5.99	1.65	2.98	2.84	2.76	2.75	5.99
MIN	0.04	0.00	0.00	0.00	1.80	1.33	1.71	0.75	0.75	2.76	2.72	2.58	0.00

ANNUAL MAX MOMENTARY GAGE HEIGHT — 6.05 M (A.D), AT 9.00 HOURS, ON OCT 19, 1983

ZERO GAGE AT BOTTOM ELEVATION — 0.00 M (A.D), RIVER BED -0.04 M (A.D)

LEFT BANK ELEVATION — 5.34 M (A.D)

RIGHT BANK ELEVATION — 4.66 M (A.D), DRAINAGE AREA 243 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.00	0.00	0.00	0.00	4.46	13.57	23.70	2.55	0.43	0.00	0.00	0.00	
2	0.00	0.00	0.00	0.00	3.30	16.66	21.16	2.31	0.45	0.00	0.00	0.00	
3	0.00	0.00	0.00	0.00	3.58	8.52	15.53	1.95	0.45	0.00	0.00	0.00	
4	0.00	0.00	0.00	0.00	3.00	5.58	15.00	1.68	0.45	0.00	0.00	0.00	
5	0.00	0.00	0.00	0.00	12.46	4.50	20.52	1.44	0.00	0.00	0.00	0.00	
6	0.00	0.00	0.00	0.00	12.18	5.38	28.59	1.36	0.00	0.00	0.00	0.00	
7	0.00	0.00	0.00	0.00	21.80	3.54	25.50	1.32	0.00	0.00	0.00	0.00	
8	0.00	0.00	0.00	0.00	39.70	6.95	14.80	1.16	0.00	0.00	0.00	0.00	
9	0.00	0.00	0.00	0.00	29.74	4.86	9.06	1.08	0.00	0.00	0.00	0.00	
10	0.00	0.00	0.00	0.00	19.64	3.03	15.20	1.08	0.00	0.00	0.00	0.00	
11	0.00	0.00	0.00	0.00	12.60	2.37	25.30	2.22	0.00	0.00	0.00	0.00	
12	0.00	0.00	0.00	0.00	8.40	1.98	33.84	2.31	0.00	0.00	0.00	0.00	
13	0.00	0.00	0.00	0.00	7.50	2.67	33.84	1.50	0.00	0.00	0.00	0.00	
14	0.00	0.00	0.00	0.00	7.65	2.73	41.45	1.26	0.00	0.00	0.00	0.00	
15	0.00	0.00	0.00	0.26	7.75	2.58	52.14	1.08	0.00	0.00	0.00	0.00	
16	0.00	0.00	0.00	3.06	11.73	4.66	37.02	1.00	0.00	0.00	0.00	0.00	
17	0.00	0.00	0.00	3.00	11.39	4.22	24.90	1.44	0.00	0.00	0.00	0.00	
18	0.00	0.00	0.00	1.50	14.30	4.34	35.70	1.44	0.00	0.00	0.00	0.00	
19	0.00	0.00	0.00	1.46	19.64	2.61	91.48	1.30	0.00	0.00	0.00	0.00	
20	0.00	0.00	0.00	1.18	33.22	1.92	43.58	1.00	0.00	0.00	0.00	0.00	
21	0.00	0.00	0.00	1.08	47.48	1.59	28.59	0.78	0.00	0.00	0.00	0.00	
22	0.00	0.00	0.00	1.20	32.36	1.59	21.16	0.70	0.00	0.00	0.00	0.00	
23	0.00	0.00	0.00	1.12	21.16	2.46	15.75	0.64	0.00	0.00	0.00	0.00	
24	0.00	0.00	0.00	0.98	12.46	4.18	12.46	0.60	0.00	0.00	0.00	0.00	
25	0.00	0.00	0.00	0.92	7.85	3.06	9.90	0.62	0.00	0.00	0.00	0.00	
26	0.00	0.00	0.00	10.37	8.46	9.66	7.35	0.60	0.00	0.00	0.00	0.00	
27	0.00	0.00	0.00	5.10	7.80	13.93	5.46	0.56	0.00	0.00	0.00	0.00	
28	0.00	0.00	0.00	5.50	6.82	12.60	4.62	0.52	0.00	0.00	0.00	0.00	
29	0.00	0.00	0.00	4.66	5.78	14.02	3.66	0.44	0.00	0.00	0.00	0.00	
30	0.00	0.00	0.00	6.42	4.26	20.36	2.94	0.43	0.00	0.00		0.00	
31		0.00		6.02	5.46		2.73		0.00	0.00		0.00	
TOTAL	0.00	0.00	0.00	53.83	443.93	186.12	722.93	36.37	1.78	0.00	0.00	0.00	1444.96 CMSDAY
MEAN	0.00	0.00	0.00	1.74	14.32	6.20	23.32	1.21	0.06	0.00	0.00	0.00	3.95 CMS
MAX	0.00	0.00	0.00	10.37	47.48	20.36	91.48	2.55	0.45	0.00	0.00	0.00	91.48 CMS
MIN	0.00	0.00	0.00	0.00	3.00	1.59	2.73	0.43	0.00	0.00	0.00	0.00	0.00 CMS
RUNOFF	0.000	0.000	0.000	4.651	38.356	16.081	62.461	3.142	0.154	0.000	0.000	0.000	124.845 MCM

MOMENTARY PEAK 107.50 CMS, AT 6.05 M (A.D), AT 9.00 HOURS, ON OCT 19, 1983
RUNOFF YIELD 16.25 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 442.39 LITERS/SECOND/SQUARE KM

WATER YEAR 1983

PRACHIN BURI RIVER BASIN

KHLONG YANG AT BAN KHLONG YANG, NAKHON NAYOK (KGT.27)

LOCATION — LAT. 14°-12′-02″ N., LONG. 101°-27′-05″ E., ON RIGHT BANK ATBAN KHLONG YANG, TAMBON NA HIN LAT, AMPHOE PAK PHLI, NAKHON NAYOK.

DRAINAGE AREA — 45 SQ.KM.

TYPE OF GAGE — STAFF GAGE.

ZERO GAGE AT BOTTOM — +0.00 M.(A.D.)

BENCH MARK — B.M.-H.D.

LOCATION — ON RIGHT BANK ON THE TOP OF STAFF GAGE.

ELEVATION — +3.918 M.(A.D.)

GAGE READING FREQUENCY — 5-TIME DAILY READINGS AT 06.00, 09.00, 12.00, 15.00 AND 18.00 HOURS.

BASIS OF MEAN DAILY GAGE HEIGHT — ARITHMETIC MEAN OF 5 READINGS.

PERIOD OF AVAILABLE GAGE RECORDS — 1982 TO DATE.

RATING OPERATION

PERIOD OF RATING — 1983 TO DATE.

RATED BY FLOAT — -

RATED BY CURRENT METER — 1983 TO DATE.

STABILITY OF CHANNEL REGIMES — STABLE.

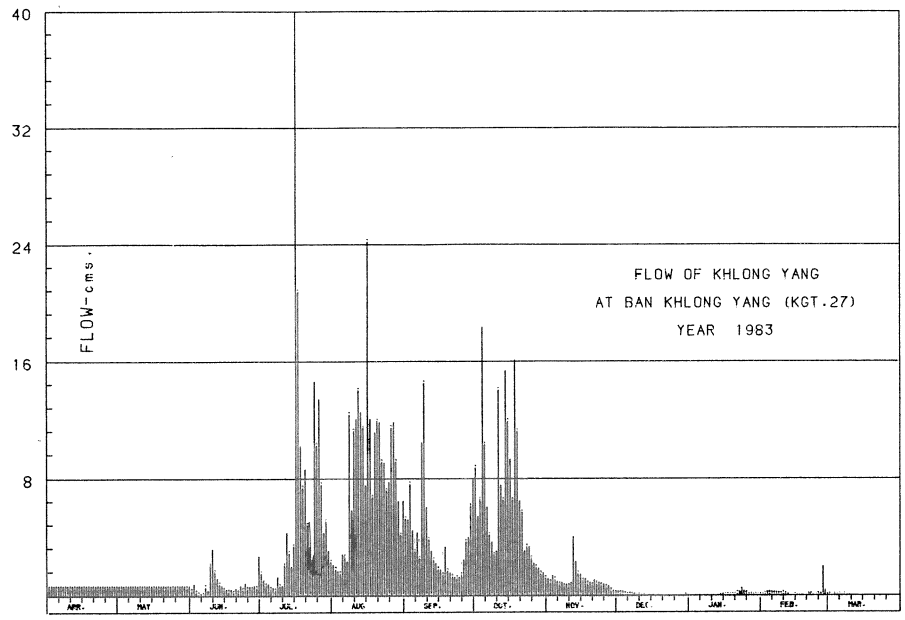
OVERBANK FLOW CONDITIONS — NO OVERBANK FLOW.

GENERAL DESCRIPTION — RECORDS POOR. STREAM GAGING BEGAN ON JUN. 1, 1983. STAGE-DISCHARGE RELATION DEFINED BY 101 DISCHARGE MEASUREMENTS MADEIN 1983.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	*******	*******	0.52	0.67	0.71	0.93	1.09	0.62	0.48	0.40	0.43	0.43	
2	*******	*******	0.57	0.61	0.70	0.92	0.93	0.61	0.48	0.40	0.45	0.43	
3	*******	*******	0.50	0.58	0.67	1.04	0.99	0.64	0.48	0.40	0.47	0.43	
4	*******	*******	0.47	0.57	0.67	0.88	1.49	0.63	0.46	0.40	0.47	0.43	
5	*******	*******	0.43	0.54	0.77	0.80	1.16	0.60	0.45	0.40	0.47	0.43	
6	*******	*******	0.46	0.53	0.77	0.87	0.96	0.59	0.45	0.40	0.46	0.43	
7	*******	*******	0.56	0.52	0.73	0.76	0.87	0.59	0.45	0.40	0.46	0.43	
8	*******	*******	0.49	0.63	1.25	1.16	0.83	0.57	0.43	0.40	0.45	0.42	
9	*******	*******	0.72	0.57	0.95	1.34	0.78	0.57	0.43	0.39	0.45	0.41	
10	*******	*******	0.80	0.55	1.20	0.96	0.79	0.57	0.43	0.39	0.47	0.40	
11	*******	*******	0.68	0.72	1.23	0.85	1.32	0.59	0.43	0.39	0.45	0.38	
12	*******	*******	0.62	0.87	1.32	0.79	1.03	0.85	0.42	0.39	0.42	0.37	
13	*******	*******	0.59	0.79	1.25	0.75	0.99	0.73	0.42	0.39	0.39	0.36	
14	*******	*******	0.55	0.70	1.21	0.72	1.37	0.67	0.42	0.42	0.36	0.35	
15	*******	*******	0.53	0.82	1.03	0.70	1.23	0.65	0.41	0.42	0.43	0.35	
16	*******	*******	0.51	2.48	1.72	0.68	1.11	0.62	0.41	0.43	0.40	0.35	
17	*******	*******	0.51	1.59	1.23	0.66	0.99	0.62	0.41	0.43	0.40	0.35	
18	*******	*******	0.51	1.15	1.00	0.81	1.40	0.60	0.41	0.43	0.39	0.35	
19	*******	*******	0.49	1.03	1.19	0.69	1.20	0.59	0.40	0.43	0.39	0.34	
20	*******	*******	0.52	1.08	1.23	0.66	0.98	0.58	0.40	0.44	0.39	0.34	
21	*******	*******	0.50	0.91	1.22	0.65	0.95	0.61	0.40	0.47	0.44	0.35	
22	*******	*******	0.55	0.81	1.11	0.63	0.79	0.60	0.40	0.47	0.44	0.35	
23	*******	*******	0.53	0.74	1.10	0.64	0.82	0.59	0.40	0.52	0.42	0.37	
24	*******	*******	0.58	1.34	1.02	0.63	0.81	0.58	0.40	0.48	0.42	0.36	
25	*******	*******	0.54	1.16	1.04	0.66	0.76	0.57	0.40	0.47	0.45	0.35	
26	*******	*******	0.54	1.29	1.21	0.74	0.72	0.56	0.40	0.44	0.43	0.34	
27	*******	*******	0.54	1.04	1.22	0.84	0.71	0.55	0.39	0.43	0.70	0.33	
28	*******	*******	0.55	0.87	1.11	0.85	0.69	0.52	0.39	0.43	0.49	0.33	
29	*******	*******	0.55	0.92	0.98	0.97	0.67	0.49	0.39	0.43	0.43	0.33	
30	*******	*******	0.76	0.79	0.87	1.05	0.66	0.48	0.44	0.43		0.35	
31		*******		0.74	0.98		0.64		0.42	0.43		0.38	
MEAN	*******	*******	0.56	0.89	1.05	0.82	0.96	0.60	0.42	0.42	0.44	0.37	
MAX	*******	*******	0.80	2.48	1.72	1.34	1.49	0.85	0.48	0.52	0.70	0.43	2.48
MIN	*******	*******	0.43	0.52	0.67	0.63	0.64	0.48	0.39	0.39	0.36	0.33	*******

ANNUAL MAX MOMENTARY GAGE HEIGHT 3.70 M (A.D), AT 6.00 HOURS, ON JUL 16, 1983
ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D), RIVER BED -0.37 M (A.D)
LEFT BANK ELEVATION 6.71 M (A.D)
RIGHT BANK ELEVATION 6.80 M (A.D), DRAINAGE AREA 45 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	*******	*******	0.52	1.70	2.12	5.43	8.88	1.20	0.33	0.05	0.16	0.16	
2	*******	*******	0.82	1.10	2.00	5.22	5.43	1.10	0.33	0.05	0.22	0.16	
3	*******	*******	0.40	0.88	1.70	7.78	6.69	1.40	0.33	0.05	0.29	0.16	
4	*******	*******	0.29	0.82	1.70	4.48	18.35	1.30	0.26	0.05	0.29	0.16	
5	*******	*******	0.16	0.64	2.84	3.20	10.48	1.00	0.22	0.05	0.29	0.16	
6	*******	*******	0.26	0.58	2.84	4.32	6.06	0.94	0.22	0.05	0.26	0.16	
7	*******	*******	0.76	0.52	2.36	2.72	4.32	0.94	0.22	0.05	0.26	0.16	
8	*******	*******	0.37	1.30	12.55	10.48	3.68	0.82	0.16	0.05	0.22	0.12	
9	*******	*******	2.24	0.82	5.85	14.66	2.96	0.82	0.16	0.04	0.22	0.08	
10	*******	*******	3.20	0.70	11.40	6.06	3.08	0.82	0.16	0.04	0.29	0.05	
11	*******	*******	1.80	2.24	12.09	4.00	14.18	0.94	0.16	0.04	0.22	0.04	
12	*******	*******	1.20	4.32	14.18	3.08	7.56	4.00	0.12	0.04	0.12	0.04	
13	*******	*******	0.94	3.08	12.55	2.60	6.69	2.36	0.12	0.04	0.04	0.03	
14	*******	*******	0.70	2.00	11.63	2.24	15.38	1.70	0.12	0.12	0.03	0.02	
15	*******	*******	0.58	3.52	7.56	2.00	12.09	1.50	0.08	0.12	0.16	0.02	
16	*******	*******	0.46	46.76	24.36	1.80	9.33	1.20	0.08	0.16	0.05	0.02	
17	*******	*******	0.46	20.94	12.09	1.60	6.69	1.20	0.08	0.16	0.05	0.02	
18	*******	*******	0.46	10.25	6.90	3.36	16.10	1.00	0.08	0.16	0.04	0.02	
19	*******	*******	0.37	7.56	11.17	1.90	11.40	0.94	0.05	0.16	0.04	0.02	
20	*******	*******	0.52	8.66	12.09	1.60	6.48	0.88	0.05	0.19	0.04	0.02	
21	*******	*******	0.40	5.01	11.86	1.50	5.85	1.10	0.05	0.29	0.19	0.02	
22	*******	*******	0.70	3.36	9.33	1.30	3.08	1.00	0.05	0.29	0.19	0.02	
23	*******	*******	0.58	2.48	9.10	1.40	3.52	0.94	0.05	0.52	0.12	0.04	
24	*******	*******	0.88	14.66	7.34	1.30	3.36	0.88	0.05	0.33	0.12	0.03	
25	*******	*******	0.64	10.48	7.78	1.60	2.72	0.82	0.05	0.29	0.22	0.02	
26	*******	*******	0.64	13.47	11.63	2.48	2.24	0.76	0.05	0.19	0.16	0.02	
27	*******	*******	0.64	7.78	11.86	3.84	2.12	0.70	0.04	0.16	2.00	0.02	
28	*******	*******	0.70	4.32	9.33	4.00	1.90	0.52	0.04	0.16	0.37	0.02	
29	*******	*******	0.70	5.22	6.48	6.27	1.70	0.37	0.04	0.16	0.16	0.02	
30	*******	*******	2.72	3.08	4.32	8.00	1.60	0.33	0.19	0.16		0.02	
31		*******		2.48	6.48		1.40		0.12	0.16		0.04	
TOTAL	*******	*******	25.11	190.73	265.49	120.22	205.32	33.48	4.06	4.38	6.82	1.89	******** CMSDAY
MEAN	*******	*******	0.84	6.15	8.56	4.01	6.62	1.12	0.13	0.14	0.24	0.06	******** CMS
MAX	*******	*******	3.20	46.76	24.36	14.66	18.35	4.00	0.33	0.52	2.00	0.16	46.76 CMS
MIN	*******	*******	0.16	0.52	1.70	1.30	1.40	0.33	0.04	0.04	0.03	0.02	******** CMS
RUNOFF	*******	*******	2.170	16.479	22.938	10.387	17.740	2.893	0.351	0.378	0.589	0.163	******** MCM

MOMENTARY PEAK ******** CMS, AT 3.70 M (A.D), AT 6.00 HOURS, ON JUL 16, 1983

RUNOFF YIELD ********* LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD ********* LITERS/SECOND/SQUARE KM

WATER YEAR 1983

EAST COAST-GULF BASIN

KHLONG NONG PLA LAI AT BAN NONG MAPRING, RAYONG (Z.4)

LOCATION — LAT. 12°-54'-40" N., LONG. 101°-17'-37" E., ON RIGHT BANK AT BAN NONG MAPRING, AMPHOE PLUAK DAENG, RAYONG.

DRAINAGE AREA — 429 SQ.KM.

TYPE OF GAGE — JKSTAFF GAGE.

ZERO GAGE AT BOTTOM — +0.00 M. (A.D.)

BENCH MARK — B.M.-H.D.

LOCATION — NEAR THE GAGE SITE.

ELEVATION — +5.270 M. (A.D.)

GAGE READING FREQUENCY — 5-TIME DAILY READINGS AT 06.00, 09.00, 12.00,15.00 AND 18.00 HOURS.

BASIS OF MEAN DAILY GAGE HEIGHT — ARITHMETIC MEAN OF 5 READINGS.

PERIOD OF AVAILABLE GAGE RECORDS — 1967 TO DATE.

RATING OPERATION

PERIOD OF RATING — 1967-1974

RATED BY FLOAT — -

RATED BY CURRENT METER — 1967-1974

STABILITY OF CHANNEL REGIMES — STABLE.

OVERBANK FLOW CONDITIONS — OVERBANK FLOW STARTS AT ELEVATION 3.21 M.(A.D.), RECORDS ARE CANNEL FLOW ONLY.

GENERAL DESCRIPTION — RECORDS POOR. NO RECORDS ON FEB. 1-29, 1984. STAGE-DISCHARGE RELATION DEFINED BY 322 DISCHARGE MEASUREMENTS MADE DURING 1972-1974.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

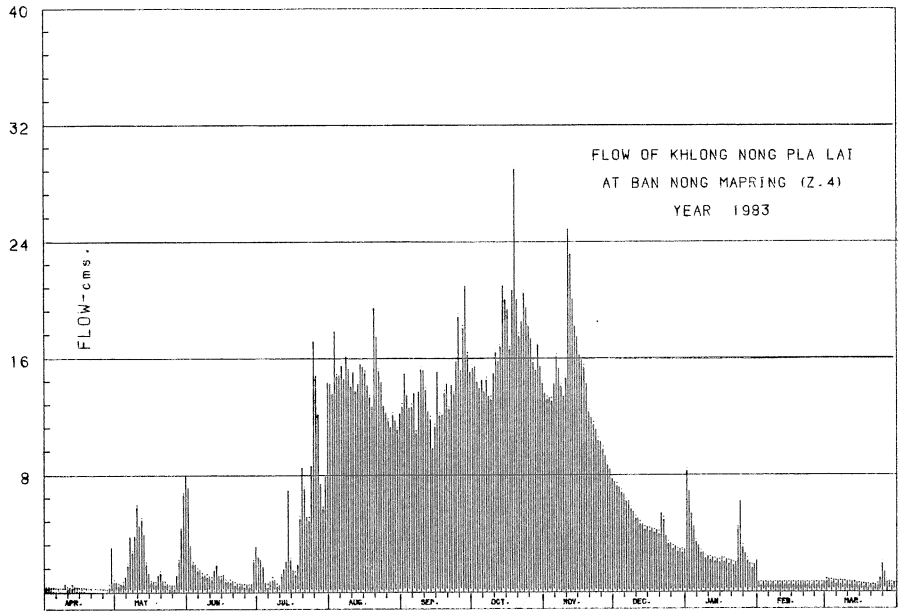
DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.21	0.32	1.80	0.84	2.76	2.63	2.87	2.70	1.84	2.00	*******	0.39	
2	0.20	0.29	1.00	0.76	2.71	2.82	2.86	2.68	1.82	1.72	*******	0.38	
3	0.18	0.27	0.73	0.68	3.05	2.71	2.79	2.67	1.77	1.47	*******	0.37	
4	0.18	0.34	0.68	0.31	2.82	2.60	2.73	2.67	1.74	1.26	*******	0.36	
5	0.17	0.43	0.60	0.28	2.81	2.63	2.80	2.76	1.68	1.08	*******	0.35	
6	0.15	0.70	0.57	0.34	2.88	2.70	2.71	2.93	1.63	1.00	*******	0.35	
7	0.16	1.12	0.51	0.43	2.79	2.40	2.80	2.85	1.60	0.92	*******	0.35	
8	0.15	0.92	0.47	0.37	2.93	2.71	2.68	2.76	1.53	0.88	*******	0.35	
9	0.28	1.13	0.49	0.29	2.85	2.86	2.68	2.68	1.46	0.83	*******	0.34	
10	0.20	1.55	0.45	0.24	2.76	2.84	2.82	2.81	1.40	0.81	*******	0.33	
11	0.18	1.27	0.43	0.50	2.83	2.74	2.95	3.51	1.37	0.81	*******	0.32	
12	0.26	1.38	0.56	0.58	2.73	2.57	2.89	3.42	1.33	0.79	*******	0.32	
13	0.20	1.15	0.71	0.77	2.76	2.53	2.98	3.21	1.29	0.78	*******	0.32	
14	0.18	0.72	0.46	1.73	2.89	2.22	3.27	3.09	1.26	0.77	*******	0.30	
15	0.18	0.50	0.45	0.79	2.86	2.46	3.22	3.02	1.25	0.76	*******	0.29	
16	0.17	0.36	0.48	0.56	2.84	2.83	3.16	2.94	1.24	0.80	*******	0.28	
17	0.17	0.34	0.38	0.54	2.75	2.56	2.97	2.90	1.23	0.78	*******	0.27	
18	0.15	0.33	0.34	0.67	2.69	2.54	3.25	2.87	1.22	0.76	*******	0.27	
19	0.15	0.46	0.38	1.40	2.61	2.72	3.76	2.76	1.21	0.75	*******	0.26	
20	0.14	0.55	0.35	2.01	3.18	2.76	3.21	2.59	1.20	0.74	*******	0.25	
21	0.13	0.35	0.32	1.78	3.02	2.61	3.04	2.52	1.44	0.72	*******	0.25	
22	0.13	0.34	0.29	1.39	2.85	2.75	3.10	2.48	1.39	0.71	*******	0.25	
23	0.12	0.28	0.28	1.39	2.77	2.71	3.25	2.41	1.13	1.25	*******	0.28	
24	0.12	0.24	0.27	2.03	2.63	2.89	3.17	2.33	1.06	1.59	*******	0.40	
25	0.12	0.24	0.27	3.01	2.56	3.14	3.09	2.29	1.03	1.01	*******	0.73	
26	0.11	0.23	0.26	2.81	2.51	2.84	3.01	2.24	1.00	0.86	*******	0.52	
27	0.11	0.46	0.26	2.57	2.43	3.08	2.90	2.14	0.98	0.79	*******	0.38	
28	0.26	0.76	0.27	1.81	2.56	3.27	2.84	2.07	0.95	0.69	*******	0.33	
29	0.97	1.24	0.75	1.53	2.49	2.94	2.99	1.99	0.94	0.67	*******	0.31	
30	0.38	1.70	0.98	1.90	2.43	2.83	2.86	1.91	0.94	0.67		0.30	
31		1.92		2.78	2.55		2.78		0.93	0.79		0.30	
MEAN	0.20	0.71	0.53	1.20	2.75	2.73	2.98	2.67	1.32	0.95	*******	0.34	
MAX	0.97	1.92	1.80	3.01	3.18	3.27	3.76	3.51	1.84	2.00	*******	0.73	3.76
MIN	0.11	0.23	0.26	0.24	2.43	2.22	2.68	1.91	0.93	0.67	*******	0.25	*******

ANNUAL MAX MOMENTARY GAGE HEIGHT — 4.00 M (A.D), AT 6.00 HOURS, ON OCT 19, 1983

ZERO GAGE AT BOTTOM ELEVATION — 0.00 M (A.D), RIVER BED — 0.16 M (A.D)

LEFT BANK ELEVATION — 3.20 M (A.D)

RIGHT BANK ELEVATION — 5.30 M (A.D), DRAINAGE AREA — 429 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.42	0.71	7.35	2.56	14.26	12.90	15.54	13.60	7.57	8.45	*******	0.92	
2	0.40	0.62	3.20	2.24	13.71	14.94	15.42	13.40	7.46	6.91	*******	0.89	
3	0.36	0.58	2.12	1.93	17.85	13.71	14.59	13.30	7.19	5.55	*******	0.86	
4	0.36	0.77	1.93	0.68	14.94	12.60	13.93	13.30	7.02	4.50	*******	0.83	
5	0.34	1.06	1.65	0.60	14.82	12.90	14.70	14.26	6.69	3.60	*******	0.80	
6	0.30	2.00	1.55	0.77	15.66	13.60	13.71	16.29	6.42	3.20	*******	0.80	
7	0.32	3.80	1.34	1.06	14.59	11.05	14.70	15.30	6.25	2.88	*******	0.80	
8	0.30	2.88	1.20	0.86	16.29	13.71	13.40	14.26	5.86	2.72	*******	0.80	
9	0.60	3.85	1.27	0.62	15.30	15.42	13.40	13.40	5.50	2.52	*******	0.77	
10	0.40	5.97	1.13	0.50	14.26	15.18	14.94	14.82	5.20	2.44	*******	0.74	
11	0.36	4.55	1.06	1.30	15.06	14.04	16.55	24.87	5.05	2.44	*******	0.71	
12	0.55	5.10	1.51	1.58	13.93	12.36	15.78	23.34	4.85	2.36	*******	0.71	
13	0.40	3.95	2.04	2.28	14.26	12.04	16.94	20.05	4.65	2.32	*******	0.71	
14	0.36	2.08	1.16	6.97	15.78	9.83	20.95	18.37	4.50	2.28	*******	0.65	
15	0.36	1.30	1.13	2.36	15.42	11.50	20.20	17.46	4.45	2.24	*******	0.62	
16	0.34	0.83	1.23	1.51	15.18	15.06	19.34	16.42	4.40	2.40	*******	0.60	
17	0.34	0.77	0.89	1.44	14.15	12.28	16.81	15.90	4.35	2.32	*******	0.58	
18	0.30	0.74	0.77	1.90	13.50	12.12	20.65	15.54	4.30	2.24	*******	0.58	
19	0.30	1.16	0.89	5.20	12.70	13.82	29.18	14.26	4.25	2.20	*******	0.55	
20	0.28	1.48	0.80	8.51	19.62	14.26	20.05	12.52	4.20	2.16	*******	0.52	
21	0.26	0.80	0.71	7.24	17.46	12.70	17.72	11.96	5.40	2.08	*******	0.52	
22	0.26	0.77	0.62	5.15	15.30	14.15	18.50	11.65	5.15	2.04	*******	0.52	
23	0.24	0.60	0.60	5.15	14.37	13.71	20.65	11.13	3.85	4.45	*******	0.60	
24	0.24	0.50	0.58	8.63	12.90	15.78	19.48	10.56	3.50	6.20	*******	0.95	
25	0.24	0.50	0.58	17.33	12.28	19.06	18.37	10.29	3.35	3.25	*******	2.12	
26	0.22	0.48	0.55	14.82	11.88	15.18	17.33	9.96	3.20	2.64	*******	1.37	
27	0.22	1.16	0.55	12.36	11.28	18.24	15.90	9.31	3.12	2.36	*******	0.89	
28	0.55	2.24	0.58	7.40	12.28	20.95	15.18	8.87	3.00	1.97	*******	0.74	
29	3.08	4.40	2.20	5.86	11.73	16.42	17.07	8.40	2.96	1.90	*******	0.68	
30	0.89	6.80	3.12	7.90	11.28	15.06	15.42	7.96	2.96	1.90		0.65	
31		8.01		14.48	12.20		14.48		2.92	2.36		0.65	
TOTAL	13.59	70.46	44.31	151.19	444.24	424.57	530.88	420.75	149.57	96.88	*******	24.13	******** CMSDAY
MEAN	0.45	2.27	1.48	4.88	14.33	14.15	17.13	14.02	4.82	3.13	*******	0.78	******** CMS
MAX	3.08	8.01	7.35	17.33	19.62	20.95	29.18	24.87	7.57	8.45	*******	2.12	29.18 CMS
MIN	0.22	0.48	0.55	0.50	11.28	9.83	13.40	7.96	2.92	1.90	*******	0.52	******** CMS
RUNOFF	1.174	6.088	3.828	13.063	38.382	36.683	45.868	36.353	12.923	8.370	*******	2.085	******** MCM

MOMENTARY PEAK 33.50 CMS, AT 4.00 M (A.D), AT 6.00 HOURS, ON OCT 19, 1983

RUNOFF YIELD ********* LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 78.09 LITERS/SECOND/SQUARE KM

WATER YEAR 1983

EAST COAST-GULF BASIN

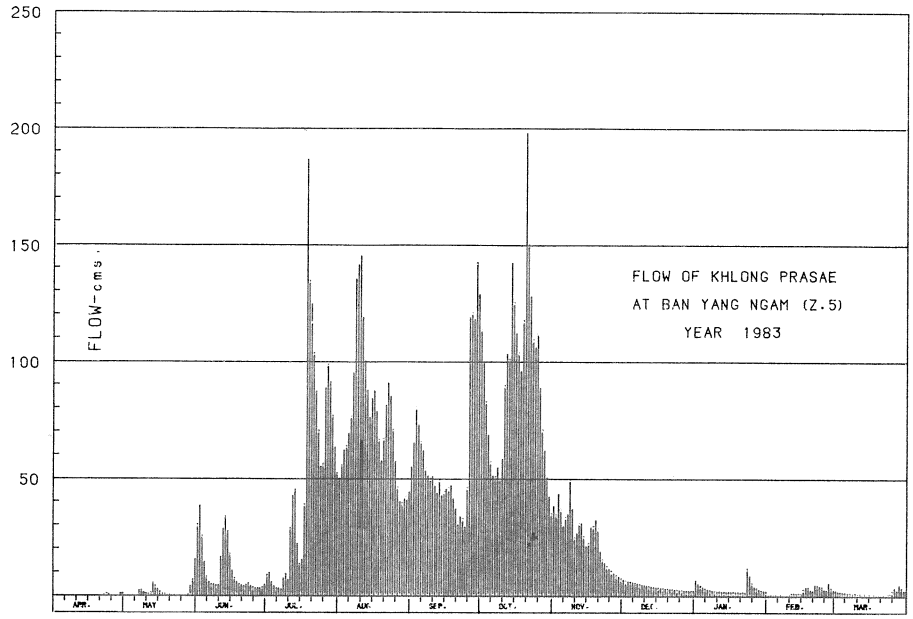
KHLONG PRASAE AT BAN YANG NGAM, RAYONG (Z.5)

LOCATION	LAT. 12°-53'-03" N., LONG. 101-35-58 E., ON LEFT BANK AT BAN YANG NGAM, AMPHOE KLAENG, RAYONG.
DRAINAGE AREA	1,164 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM	+0.00 M.(A.D.)
BENCH MARK	B.M.-H.D.
LOCATION	NEAR THE METEOROLOGICAL STATION.
ELEVATION	+7.385 M.(A.D.)
GAGE READING FREQUENCY	5-TIME DAILY READINGS AT 06.00, 09.00, 12.00, 15.00 AND 18.00 HOURS
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 5 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1967 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1967 - 1982.
RATED BY FLOAT	-
RATED BY CURRENT METER	1967 - 1982.
STABILITY OF CHANNEL REGIMES	FAIRLY STABLE.
OVERBANK FLOW CONDITIONS	OVERBANK FLOW STARTS AT ELEVATION +4.25 M.(A.D.) AND IS INCLUDED.
GENERAL DESCRIPTION	RECORDS POOR. NO RECORDS ON FEB. 1-10, 1984. STAGE-DISCHARGE RELATION DEFINED BY 59 DISCHARGE MEASUREMENTS MADE IN 1982.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.67	0.75	3.84	2.11	4.94	5.21	6.64	4.31	1.90	1.85	*******	1.22	
2	0.67	0.77	4.32	2.19	5.20	5.54	6.41	4.10	1.85	1.68	*******	1.15	
3	0.67	0.80	3.50	1.77	5.44	5.99	6.05	4.60	1.82	1.58	*******	1.10	
4	0.67	0.76	2.64	1.53	5.50	5.77	5.65	4.24	1.80	1.49	*******	1.07	
5	0.66	0.75	2.03	1.39	5.67	5.56	5.26	3.79	1.77	1.40	*******	1.03	
6	0.66	0.73	1.76	1.39	5.88	5.43	4.99	4.03	1.74	1.33	*******	1.01	
7	0.66	1.23	1.64	1.31	6.32	5.14	4.97	4.10	1.71	1.28	*******	0.99	
8	0.65	1.25	1.65	1.95	6.93	4.99	5.15	4.92	1.67	1.24	*******	0.97	
9	0.65	1.04	1.57	2.15	6.99	4.94	4.93	4.24	1.64	1.21	*******	0.96	
10	0.65	0.92	1.60	1.87	7.04	4.98	5.30	3.45	1.61	1.18	*******	0.95	
11	0.65	0.92	2.79	3.73	6.71	4.83	6.20	3.58	1.59	1.17	0.99	0.93	
12	0.65	1.06	3.71	4.56	6.44	4.62	6.47	3.88	1.56	1.15	0.98	0.92	
13	0.65	1.73	4.04	4.70	6.16	4.90	6.43	3.88	1.54	1.14	0.98	0.91	
14	0.65	1.55	3.64	3.24	5.90	4.56	7.00	3.49	1.50	1.13	0.97	0.90	
15	0.65	1.33	2.91	2.57	6.08	4.65	6.80	3.16	1.48	1.13	0.97	0.89	
16	0.65	1.11	2.29	2.71	6.18	4.71	6.61	3.27	1.46	1.11	1.34	0.88	
17	0.65	0.98	1.96	4.35	5.94	4.73	6.48	3.76	1.44	1.11	1.49	0.87	
18	0.65	0.91	1.77	7.38	5.59	4.78	6.33	3.80	1.42	1.10	1.47	0.86	
19	0.65	0.87	1.65	6.91	5.27	4.55	6.69	3.96	1.40	1.09	1.29	0.85	
20	0.65	0.86	1.59	6.79	5.60	4.24	7.44	3.73	1.38	1.08	1.21	0.84	
21	0.65	0.83	1.53	6.48	6.01	3.91	7.08	2.99	1.36	1.08	1.62	0.85	
22	0.83	0.80	1.62	6.15	6.25	4.04	6.83	2.74	1.35	1.07	1.60	0.86	
23	0.95	0.78	1.69	5.71	6.10	4.00	6.57	2.62	1.33	2.39	1.54	0.88	
24	0.83	0.76	1.55	5.17	5.72	3.77	6.52	2.50	1.31	2.07	1.50	0.95	
25	0.77	0.75	1.46	5.22	5.26	4.74	6.61	2.39	1.29	1.73	1.31	1.20	
26	0.73	0.74	1.41	6.18	4.75	6.71	6.18	2.30	1.27	1.50	1.25	1.44	
27	0.71	0.75	1.39	6.39	4.42	6.74	5.72	2.18	1.25	1.42	1.72	1.22	
28	0.71	0.87	1.40	6.24	4.39	6.70	5.43	2.11	1.24	1.33	1.42	1.61	
29	0.97	1.54	1.45	5.89	4.48	7.00	4.95	2.04	1.23	1.26	1.27	1.41	
30	0.94	1.89	1.63	5.48	4.54	6.84	4.54	1.96	1.22	1.21		1.23	
31		2.73		5.05	4.64		4.13		1.25	1.18		1.25	
MEAN	0.71	1.06	2.20	4.15	5.69	5.15	6.01	3.40	1.50	1.34	*******	1.04	
MAX	0.97	2.73	4.32	7.38	7.04	7.00	7.44	4.92	1.90	2.39	1.72	1.61	7.44
MIN	0.65	0.73	1.39	1.31	4.39	3.77	4.13	1.96	1.22	1.07	*******	0.84	*******

ANNUAL MAX MOMENTARY GAGE HEIGHT 7.50 M (A.D), AT 6.00 HOURS, ON OCT 20, 1983
ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D), RIVER BED 0.69 M (A.D)
LEFT BANK ELEVATION 11.51 M (A.D)
RIGHT BANK ELEVATION 7.24 M (A.D), DRAINAGE AREA 1164 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.04	0.25	30.60	9.10	50.30	56.25	114.22	38.47	7.20	6.75	*******	2.36	
2	0.04	0.33	38.64	9.90	56.00	65.40	100.05	34.90	6.75	5.34	*******	2.02	
3	0.04	0.45	25.80	6.06	62.40	80.65	83.15	43.60	6.48	4.56	*******	1.80	
4	0.04	0.29	14.62	4.21	64.20	72.95	68.85	37.28	6.30	3.94	*******	1.67	
5	0.03	0.25	8.37	3.34	69.51	66.00	57.50	29.86	6.06	3.40	*******	1.48	
6	0.03	0.17	5.98	3.34	76.80	62.10	51.30	33.71	5.82	2.98	*******	1.39	
7	0.03	2.42	5.02	2.86	95.42	54.62	50.90	34.90	5.58	2.69	*******	1.31	
8	0.02	2.53	5.10	7.65	136.55	51.30	54.85	49.90	5.26	2.47	*******	1.22	
9	0.02	1.53	4.49	9.50	141.65	50.30	50.10	37.28	5.02	2.31	*******	1.17	
10	0.02	0.99	4.70	6.93	146.46	51.10	58.50	25.15	4.78	2.16	*******	1.12	
11	0.02	0.99	16.57	29.02	119.02	48.10	89.80	26.92	4.63	2.11	1.31	1.03	
12	0.02	1.62	28.74	42.88	101.70	43.98	103.35	31.20	4.42	2.02	1.26	0.99	
13	0.02	5.74	33.88	45.50	88.00	49.50	101.15	31.20	4.28	1.98	1.26	0.95	
14	0.02	4.35	27.76	22.42	77.50	42.88	142.50	25.67	4.00	1.93	1.22	0.90	
15	0.02	2.98	18.13	13.77	84.44	44.55	125.50	21.38	3.88	1.93	1.22	0.85	
16	0.02	1.85	10.90	15.53	88.90	45.70	112.18	22.81	3.76	1.85	3.04	0.81	
17	0.02	1.26	7.74	39.15	78.90	46.10	103.90	29.44	3.64	1.85	3.94	0.77	
18	0.02	0.95	6.06	187.00	66.90	47.10	95.93	30.00	3.52	1.80	3.82	0.72	
19	0.02	0.77	5.10	134.85	57.75	42.70	117.62	32.52	3.40	1.76	2.75	0.68	
20	0.02	0.72	4.63	124.78	67.20	37.28	198.00	29.02	3.28	1.71	2.31	0.63	
21	0.02	0.58	4.21	103.90	81.43	31.67	150.42	19.17	3.16	1.71	4.86	0.68	
22	0.58	0.45	4.86	87.55	92.10	33.88	128.05	15.92	3.10	1.67	4.70	0.72	
23	1.12	0.37	5.42	70.85	85.30	33.20	109.55	14.36	2.98	11.90	4.28	0.81	
24	0.58	0.29	4.35	55.31	71.20	29.58	106.30	13.00	2.86	8.73	4.00	1.12	
25	0.33	0.25	3.76	56.50	57.50	46.30	112.18	11.90	2.75	5.74	2.86	2.25	
26	0.17	0.21	3.46	88.90	46.50	119.02	88.90	11.00	2.64	4.00	2.53	3.64	
27	0.09	0.25	3.34	98.99	40.36	121.18	71.20	9.80	2.53	3.52	5.66	2.36	
28	0.09	0.77	3.40	91.64	39.83	118.30	62.10	9.10	2.47	2.98	3.52	4.78	
29	1.22	4.28	3.70	77.15	41.44	142.50	50.50	8.46	2.42	2.58	2.64	3.46	
30	1.08	7.11	4.94	63.60	42.52	128.90	42.52	7.74	2.36	2.31		2.42	
31		15.79		52.60	44.36		35.41		2.53	2.16		2.53	
TOTAL	5.79	60.79	344.27	1564.78	2372.14	1863.09	2836.48	765.66	127.86	102.84	*******	48.64	******** CMSDAY
MEAN	0.19	1.96	11.48	50.48	76.52	62.10	91.50	25.52	4.12	3.32	*******	1.57	******** CMS
MAX	1.22	15.79	38.64	187.00	146.46	142.50	198.00	49.90	7.20	11.90	5.66	4.78	198.00 CMS
MIN	0.02	0.17	3.34	2.86	39.83	29.58	35.41	7.74	2.36	1.67	*******	0.63	******** CMS
RUNOFF	0.500	5.252	29.745	135.197	204.953	160.971	245.072	66.153	11.047	8.885	*******	4.202	******** MCM

MOMENTARY PEAK 210.00 CMS, AT 7.50 M (A.D), AT 6.00 HOURS, ON OCT 20, 1983
RUNOFF YIELD ********* LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 180.41 LITERS/SECOND/SQUARE KM

WATER YEAR 1983

EAST COAST-GULF BASIN

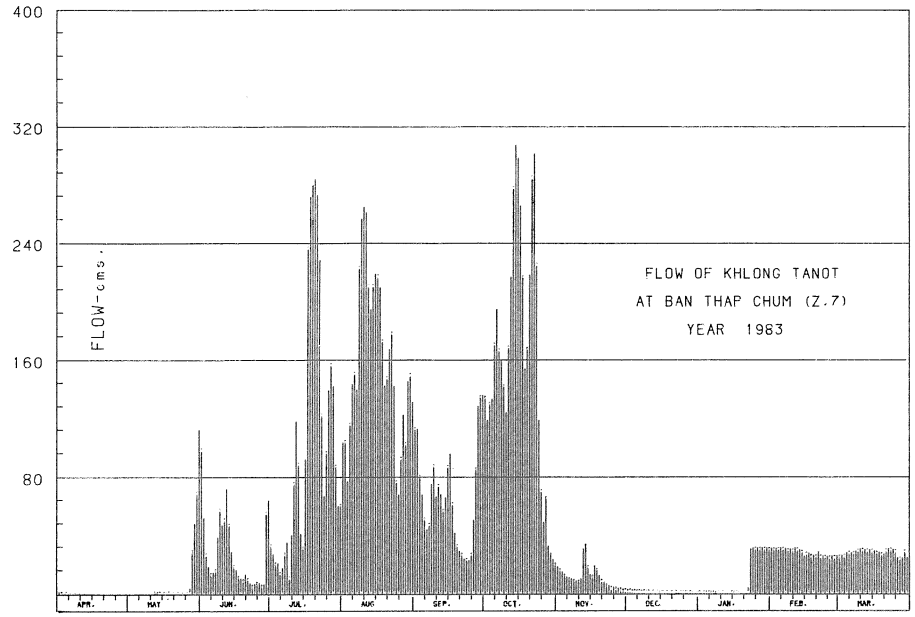
KHLONG TA NOT AT BAN THAP CHUM, CHANTHABURI (Z.7)

LOCATION	LAT. 12°-47'-56" N., LONG. 101°-54'-32" E., ON RIGHT BANK ABOUT 9 KILOMETERS FROM THE ENTRANCE OF NIKHOM DONG THAP, BAN THAP CHUM, AMPHOE THA MAI, CHANTHABURI.
DRAINAGE AREA	1,318 SQ.KM.
TYPE OF GAGE	WATER-STAGE RECORDER.
ZERO GAGE AT BOTTOM	+2.00 M. (A.D.)
BENCH MARK	B.M.-H.D.
LOCATION	ALONG THE MEASURING LINE.
ELEVATION	+11.624 M.(A.D.)
GAGE READING FREQUENCY	RECORDING.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 24 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1965 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1965-1974
RATED BY FLOAT	-
RATED BY CURRENT METER	1965-1974
STABILITY OF CHANNEL REGIMES	STABLE.
OVERBANK FLOW CONDITIONS	OVERBANK FLOW STARTS AT ELEVATION +9.20 M.(A.D.), RECORDS ARE CHANNEL FLOW ONLY.
GENERAL DESCRIPTION	RECORDS GOOD. STAGE-DISCHARGE RELATION DEFINED BY 819 DISCHARGE MEASUREMENTS MADE DURING 1965-1970.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	3.13	2.00	7.55	5.36	7.66	7.93	8.47	4.62	3.38	3.17	5.25	4.99	
2	3.13	2.00	6.05	5.05	7.70	7.91	8.06	4.52	3.37	3.17	5.24	5.00	
3	3.13	2.02	5.08	4.76	6.89	7.02	8.36	4.39	3.34	3.18	5.25	5.02	
4	3.09	2.04	4.62	4.74	8.01	6.58	8.42	4.27	3.32	3.18	5.26	5.10	
5	3.05	2.04	4.34	4.38	8.68	6.05	9.27	4.16	3.32	3.17	5.27	5.13	
6	3.00	2.06	4.37	4.58	8.86	5.77	9.68	4.10	3.31	3.16	5.26	5.10	
7	2.97	2.07	4.51	5.09	8.58	5.93	9.19	4.06	3.30	3.16	5.25	5.12	
8	2.95	2.12	5.56	5.42	10.12	6.82	9.04	4.00	3.29	3.15	5.22	5.15	
9	2.90	2.15	6.26	4.17	10.55	7.22	8.66	3.92	3.27	3.15	5.23	5.19	
10	2.86	2.19	5.89	5.62	10.67	6.54	8.19	3.95	3.26	3.14	5.21	5.23	
11	2.82	2.62	6.04	6.86	10.60	6.81	9.23	4.06	3.25	3.16	5.27	5.22	
12	2.80	3.14	6.72	8.04	9.94	6.59	10.02	5.21	3.24	3.14	5.25	5.20	
13	2.74	3.15	5.92	7.26	9.68	6.25	10.80	5.37	3.23	3.18	5.20	5.20	
14	2.70	3.12	5.13	5.65	9.94	6.52	11.10	4.65	3.23	3.17	5.17	5.20	
15	2.65	3.09	4.68	5.29	10.05	7.21	11.03	4.27	3.22	3.16	4.97	5.19	
16	2.60	3.08	4.47	7.33	10.04	7.44	10.65	4.23	3.22	3.17	5.10	5.16	
17	2.55	3.08	4.20	10.30	9.91	6.40	10.03	4.65	3.22	3.16	5.08	5.13	
18	2.50	3.14	4.07	10.72	9.32	5.68	8.91	4.53	3.22	3.15	5.03	5.11	
19	2.45	3.00	4.02	10.83	8.65	5.35	9.21	4.23	3.22	3.15	5.01	5.08	
20	2.41	3.06	4.28	10.86	8.79	5.15	10.04	3.99	3.22	3.15	5.00	5.05	
21	2.35	3.08	4.08	10.76	9.19	5.08	10.88	3.85	3.22	3.14	5.13	5.21	
22	2.30	3.11	3.79	10.18	9.42	4.89	11.04	3.74	3.21	3.48	5.00	5.24	
23	2.25	3.05	3.70	8.17	8.64	4.90	10.15	3.66	3.19	5.20	4.99	5.24	
24	2.20	3.06	3.75	6.55	6.90	4.84	8.06	3.59	3.18	5.26	4.98	5.21	
25	2.15	3.04	3.86	7.48	6.58	5.07	6.69	3.56	3.20	5.27	4.97	5.19	
26	2.10	3.08	3.82	8.57	7.37	6.01	5.96	3.53	3.19	5.26	4.98	4.93	
27	2.05	3.46	3.70	8.99	8.15	7.16	6.53	3.48	3.19	5.27	4.98	4.92	
28	2.02	5.18	3.72	8.64	7.66	8.30	5.32	3.46	3.18	5.27	4.99	4.92	
29	2.00	5.93	6.19	7.22	8.72	8.48	5.07	3.41	3.16	5.26	4.99	5.18	
30	2.00	6.65	6.45	6.32	8.84	8.49	4.87	3.40	3.17	5.26		4.93	
31		7.90		6.36	8.37		4.73		3.16	5.25		4.93	
MEAN	2.60	3.18	4.89	7.15	8.85	6.48	8.63	4.10	3.24	3.78	5.12	5.11	
MAX	3.13	7.90	7.55	10.86	10.67	8.49	11.10	5.37	3.38	5.27	5.27	5.24	11.10
MIN	2.00	2.00	3.70	4.17	6.58	4.84	4.73	3.40	3.16	3.14	4.97	4.92	2.00

ANNUAL MAX MOMENTARY GAGE HEIGHT 11.82 M (A.D), AT 24.00 HOURS, ON OCT 13, 1983
ZERO GAGE AT BOTTOM ELEVATION 2.00 M (A.D), RIVER BED -0.67 M (A.D)
LEFT BANK ELEVATION 9.19 M (A.D)
RIGHT BANK ELEVATION 9.67 M (A.D), DRAINAGE AREA 1318 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	1.85	0.00	99.75	34.00	103.60	113.70	135.30	18.90	3.44	2.05	31.50	26.30	
2	1.85	0.00	52.00	27.50	105.00	112.90	118.90	17.30	3.36	2.05	31.30	26.50	
3	1.85	0.00	28.10	21.70	77.20	81.20	130.90	15.35	3.12	2.10	31.50	26.90	
4	1.66	0.00	18.90	21.30	116.90	67.90	133.30	13.55	2.96	2.10	31.70	28.50	
5	1.50	0.00	14.60	15.20	143.70	52.00	171.50	11.98	2.96	2.05	31.90	29.10	
6	1.30	0.00	15.05	18.20	151.70	44.25	194.80	11.20	2.88	2.00	31.70	28.50	
7	1.21	0.00	17.15	28.30	139.70	48.40	167.50	10.73	2.80	2.00	31.50	28.90	
8	1.15	0.00	39.00	35.50	224.00	75.10	160.00	10.03	2.74	1.95	30.90	29.50	
9	1.00	0.00	58.30	12.11	256.88	88.20	142.90	9.09	2.62	1.95	31.10	30.30	
10	0.92	0.00	47.25	40.50	267.38	66.70	124.10	9.44	2.56	1.90	30.70	31.10	
11	0.84	0.44	51.70	76.30	261.25	74.80	169.50	10.73	2.50	2.00	31.90	30.90	
12	0.80	1.90	72.10	118.10	211.60	68.20	216.90	30.70	2.44	1.90	31.50	30.50	
13	0.68	1.95	48.10	89.60	194.80	58.00	278.75	34.25	2.38	2.10	30.50	30.50	
14	0.60	1.80	29.10	41.25	211.60	66.10	307.50	19.50	2.38	2.05	29.90	30.50	
15	0.50	1.66	20.10	32.30	219.00	87.85	300.50	13.55	2.32	2.00	25.90	30.30	
16	0.40	1.62	16.55	92.05	218.30	95.90	265.62	12.95	2.32	2.05	28.50	29.70	
17	0.30	1.62	12.50	237.50	209.65	62.50	217.60	19.50	2.32	2.00	28.10	29.10	
18	0.20	1.90	10.85	271.75	174.00	42.00	153.95	17.45	2.32	1.95	27.10	28.70	
19	0.10	1.30	10.26	281.38	142.50	33.75	168.50	12.95	2.32	1.95	26.70	28.10	
20	0.02	1.54	13.70	284.00	148.55	29.50	218.30	9.91	2.32	1.95	26.50	27.50	
21	0.00	1.62	10.97	275.25	167.50	28.10	285.75	8.26	2.32	1.90	29.10	30.70	
22	0.00	1.75	7.56	228.50	179.20	24.30	301.50	6.97	2.26	4.24	26.50	31.30	
23	0.00	1.50	6.50	123.30	142.10	24.50	226.25	6.06	2.15	30.50	26.30	31.30	
24	0.00	1.54	7.09	67.00	77.50	23.30	118.90	5.30	2.10	31.70	26.10	30.70	
25	0.00	1.46	8.38	97.30	67.90	27.90	71.20	5.00	2.20	31.90	25.90	30.30	
26	0.00	1.62	7.91	139.30	93.45	50.80	49.30	4.70	2.15	31.70	26.10	25.10	
27	0.00	4.08	6.50	157.55	122.50	86.10	66.40	4.24	2.15	31.90	26.10	24.90	
28	0.00	30.10	6.73	142.10	103.60	128.50	33.00	4.08	2.10	31.90	26.30	24.90	
29	0.00	48.40	56.20	88.20	145.40	135.70	27.90	3.68	2.00	31.70	26.30	30.10	
30	0.00	70.00	64.00	60.10	150.80	136.10	23.90	3.60	2.05	31.70		25.10	
31		112.50		61.30	131.30		21.10		2.00	31.50		25.10	
TOTAL	18.73	290.30	856.90	3218.44	4958.56	2034.25	5001.52	360.95	76.54	330.74	839.10	890.90	18876.93 CMSDAY
MEAN	0.62	9.36	28.56	103.82	159.95	67.81	161.34	12.03	2.47	10.67	28.93	28.74	51.58 CMS
MAX	1.85	112.50	99.75	284.00	267.38	136.10	307.50	34.25	3.44	31.90	31.90	31.30	307.50 CMS
MIN	0.00	0.00	6.50	12.11	67.90	23.30	21.10	3.60	2.00	1.90	25.90	24.90	0.00 CMS
RUNOFF	1.618	25.082	74.036	278.073	428.420	175.759	432.131	31.186	6.613	28.576	72.498	76.974	1630.967 MCM

MOMENTARY PEAK 403.40 CMS, AT 11.82 M (A.D), AT 24.00 HOURS, ON OCT 13, 1983

RUNOFF YIELD 39.13 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 306.07 LITERS/SECOND/SQUARE KM

WATER YEAR 1983

EAST COAST-GULF BASIN

KHLONG YAI AT BAN SI BUA THONG, TRAT (Z.10)

LOCATION — LAT. 12°-28'-28" N., LONG. 102°-28'-52" E., ON RIGHT BANK AT BAN PONG SCHOOL, BAN SI BUA THONG, TAMBON BAN SI BUA THONG, AMPHOE KHAO SAMING, TRAT.

DRAINAGE AREA — 920 SQ.KM.

TYPE OF GAGE — STAFF GAGE.

ZERO GAGE AT BOTTOM — +0.00 M.(A.D.)

BENCH MARK — B.M.-H.D.

LOCATION — ON RIGHT BANK ABOUT 30 METERS FROM THE TOP OF STAFF GAGE.

ELEVATION — +11.280 M.(A.D.)

GAGE READING FREQUENCY — 5-TIME DAILY READINGS AT 06.00, 09.00, 12.00, 15.00 AND 18.00 HOURS.

BASIS OF MEAN DAILY GAGE HEIGHT — ARITHMETIC MEAN OF 5 READINGS.

PERIOD OF AVAILABLE GAGE RECORDS — 1970 TO DATE.

RATING OPERATION

PERIOD OF RATING — 1973-1978

RATED BY FLOAT — -

RATED BY CURRENT METER — 1973-1978

STABILITY OF CHANNEL REGIMES — FAIRLY STABLE BY SOME SILTING.

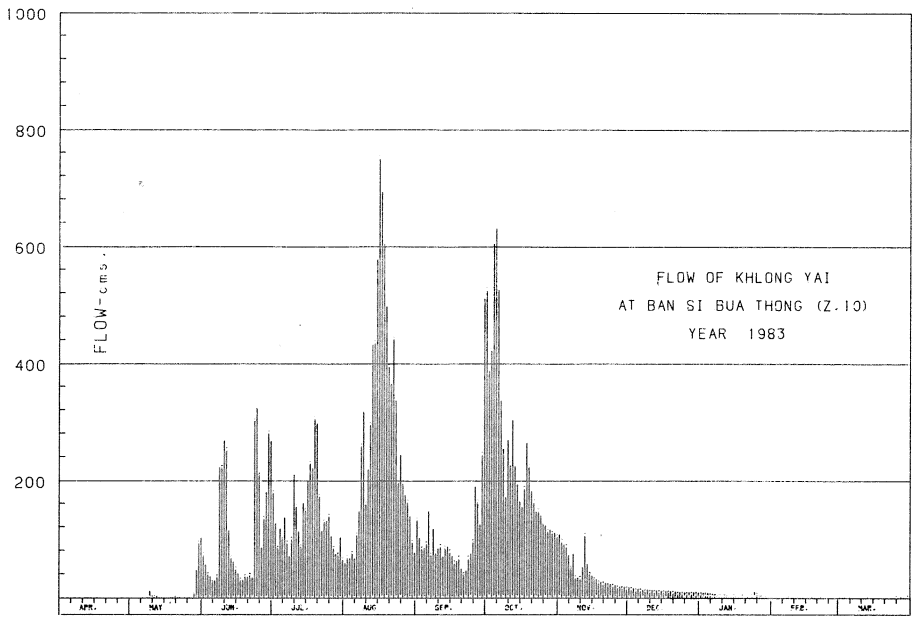
OVERBANK FLOW CONDITIONS — OVERBANK FLOW STARTS AT ELEVATION +11.20 M.(A.D.) AND IS INCLUDED.

GENERAL DESCRIPTION — RECORDS FAIR. STAGE-DISCHARGE RELATION DEFINED BY 624 DISCHARGE MEASUREMENTS MADE DURING 1973-1978.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.80	0.53	3.61	5.68	3.19	4.82	10.39	4.26	1.94	1.50	1.21	1.13	
2	0.80	0.54	3.13	4.64	3.50	4.14	8.81	4.10	1.92	1.51	1.20	1.07	
3	0.79	0.56	2.76	3.85	3.40	3.82	9.25	3.91	1.88	1.49	1.19	1.04	
4	0.78	0.57	2.57	4.46	3.65	3.78	11.16	3.91	1.84	1.49	1.18	1.03	
5	0.78	0.60	2.34	4.16	3.39	4.02	11.54	3.52	1.84	1.45	1.19	1.04	
6	0.77	0.86	2.36	4.84	4.31	5.04	10.35	3.07	1.83	1.45	1.20	0.99	
7	0.77	0.95	2.66	4.04	5.03	3.60	8.23	3.57	1.74	1.41	1.18	0.98	
8	0.76	1.18	6.36	3.48	7.03	4.45	6.88	2.61	1.75	1.40	1.18	0.98	
9	0.75	1.65	6.41	4.17	7.89	3.68	5.58	2.51	1.78	1.40	1.15	1.16	
10	0.72	1.28	7.12	6.15	5.32	3.77	7.14	2.58	1.71	1.40	1.16	1.15	
11	0.69	1.35	6.92	5.25	6.30	3.92	6.51	3.03	1.74	1.39	1.14	1.15	
12	0.67	1.22	4.39	4.36	7.62	3.46	7.69	4.30	1.70	1.38	1.18	1.16	
13	0.66	1.15	3.49	3.91	9.32	3.86	6.47	3.17	1.69	1.37	1.18	1.16	
14	0.66	1.09	3.25	5.29	9.39	3.83	5.87	2.78	1.68	1.39	1.17	1.15	
15	0.63	0.99	3.02	5.13	10.87	3.72	5.45	2.62	1.67	1.40	1.16	1.15	
16	0.61	0.91	2.72	5.97	12.77	3.49	5.17	2.52	1.66	1.38	1.14	1.14	
17	0.59	0.87	2.49	6.53	12.15	3.30	5.81	2.43	1.64	1.38	1.13	1.13	
18	0.57	0.99	2.39	6.33	11.22	3.29	7.06	2.34	1.64	1.37	1.18	1.13	
19	0.54	1.30	2.66	7.77	10.04	3.49	6.45	2.28	1.64	1.37	1.17	1.10	
20	0.53	1.26	2.55	7.60	8.94	2.95	5.66	2.27	1.62	1.33	1.16	1.10	
21	0.48	1.20	2.74	5.57	8.54	2.77	5.40	2.23	1.61	1.41	1.19	1.10	
22	0.45	1.13	2.51	4.37	9.46	2.86	5.02	2.18	1.56	1.40	1.18	1.18	
23	0.43	1.08	7.72	4.75	8.16	3.49	5.12	2.15	1.55	1.41	1.11	1.18	
24	0.40	1.04	7.98	4.73	5.97	3.57	4.90	2.13	1.54	1.57	1.09	1.31	
25	0.30	1.01	6.20	4.95	6.71	4.09	4.72	2.07	1.53	1.48	1.11	1.27	
26	0.22	1.06	3.79	4.20	5.96	5.80	4.57	2.03	1.52	1.39	1.20	1.26	
27	0.21	1.21	4.87	3.85	5.54	5.39	4.44	1.98	1.55	1.33	1.20	1.41	
28	0.37	1.58	5.63	3.56	5.39	4.60	4.43	1.97	1.55	1.31	1.15	1.24	
29	0.43	2.89	7.39	3.60	4.88	6.79	4.37	1.96	1.54	1.28	1.15	1.24	
30	0.50	4.03	7.11	4.16	4.06	10.19	4.32	1.95	1.54	1.27		1.36	
31		4.14		3.44	3.61		4.26		1.52	1.24		1.43	
MEAN	0.59	1.30	4.30	4.86	6.89	4.20	6.55	2.75	1.67	1.40	1.17	1.16	
MAX	0.80	4.14	7.98	7.77	12.77	10.19	11.54	4.30	1.94	1.57	1.21	1.43	12.77
MIN	0.21	0.53	2.34	3.44	3.19	2.77	4.26	1.95	1.52	1.24	1.09	0.98	0.21

ANNUAL MAX MOMENTARY GAGE HEIGHT 12.82 M (A.D), AT 23.00 HOURS, ON AUG 12, 1983
ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D), RIVER BED 0.11 M (A.D)
LEFT BANK ELEVATION 12.44 M (A.D)
RIGHT BANK ELEVATION 11.19 M (A.D), DRAINAGE AREA 920 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.00	0.00	77.12	182.90	59.10	136.00	530.05	108.00	18.50	9.00	2.46	1.98	
2	0.00	0.00	56.70	127.00	72.08	102.00	387.35	100.00	18.00	9.20	2.40	1.62	
3	0.00	0.00	43.10	88.12	67.50	86.75	426.50	90.87	17.00	8.70	2.34	1.44	
4	0.00	0.00	36.45	118.00	78.96	84.92	604.60	90.87	16.00	8.70	2.28	1.38	
5	0.00	0.00	29.20	103.00	67.10	96.00	636.90	73.00	16.00	7.50	2.34	1.44	
6	0.00	0.36	29.80	137.00	110.50	147.70	526.25	54.30	15.75	7.50	2.40	1.14	
7	0.00	0.90	39.60	97.00	147.15	76.67	341.75	75.29	13.80	6.30	2.28	1.08	
8	0.00	2.28	222.60	71.17	262.80	117.50	253.80	37.85	14.00	6.00	2.28	1.08	
9	0.00	12.00	225.60	103.50	317.30	80.33	177.40	34.35	14.60	6.00	2.10	2.16	
10	0.00	2.88	268.20	210.00	163.10	84.46	269.40	36.80	13.20	6.00	2.16	2.10	
11	0.00	4.50	256.20	159.25	219.00	91.33	231.60	52.70	13.80	5.70	2.04	2.10	
12	0.00	2.52	114.50	113.00	298.80	70.25	303.35	110.00	13.00	5.40	2.28	2.16	
13	0.00	2.10	71.62	90.87	432.80	88.58	229.20	58.30	12.80	5.10	2.28	2.16	
14	0.00	1.74	61.50	161.45	439.10	87.21	193.35	43.80	12.60	5.70	2.22	2.10	
15	0.00	1.14	52.30	152.65	578.00	82.17	170.25	38.20	12.40	6.00	2.16	2.10	
16	0.00	0.66	41.70	199.20	755.03	71.62	154.85	34.70	12.20	5.40	2.04	2.04	
17	0.00	0.42	33.70	232.80	693.65	63.50	190.05	31.90	11.80	5.40	1.98	1.98	
18	0.00	1.14	30.70	220.80	609.70	63.10	264.60	29.20	11.80	5.10	2.28	1.98	
19	0.00	3.00	39.60	308.90	497.60	71.62	228.00	27.40	11.80	5.10	2.22	1.80	
20	0.00	2.76	35.75	297.50	398.60	49.75	181.80	27.10	11.40	3.90	2.16	1.80	
21	0.00	2.40	42.40	176.85	365.20	43.45	167.50	25.90	11.20	6.30	2.34	1.80	
22	0.00	1.98	34.35	113.50	445.40	46.60	146.60	24.50	10.20	6.00	2.28	2.28	
23	0.00	1.68	305.40	132.50	336.50	71.62	152.10	23.75	10.00	6.30	1.86	2.28	
24	0.00	1.44	323.60	131.50	199.20	75.29	140.00	23.25	9.80	10.40	1.74	3.30	
25	0.00	1.26	213.00	142.75	243.60	99.50	131.00	21.75	9.60	8.40	1.86	2.82	
26	0.00	1.56	85.37	105.00	198.60	189.50	123.50	20.75	9.40	5.70	2.40	2.76	
27	0.00	2.46	138.50	88.12	175.20	166.95	117.00	19.50	10.00	3.90	2.40	6.30	
28	0.00	10.60	180.15	74.83	166.95	125.00	116.50	19.25	10.00	3.30	2.10	2.64	
29	0.00	47.65	284.40	76.67	139.00	248.40	113.50	19.00	9.80	2.88	2.10	2.64	
30	0.00	96.50	267.60	103.00	98.00	511.10	111.00	18.75	9.80	2.82		4.80	
31		102.00		69.33	77.12		108.00		9.40	2.64		6.90	
TOTAL	0.00	307.93	3640.71	4388.16	8712.64	3328.87	7727.75	1371.03	389.65	186.34	63.78	74.16	30191.02 CMSDAY
MEAN	0.00	9.93	121.36	141.55	281.05	110.96	249.28	45.70	12.57	6.01	2.20	2.39	82.49 CMS
MAX	0.00	102.00	323.60	308.90	755.03	511.10	636.90	110.00	18.50	10.40	2.46	6.90	755.03 CMS
MIN	0.00	0.00	29.20	69.33	59.10	43.45	108.00	18.75	9.40	2.64	1.74	1.08	0.00 CMS
RUNOFF	0.000	26.605	314.557	379.137	752.772	287.614	667.678	118.457	33.666	16.100	5.511	6.407	2608.504 MCM

MOMENTARY PEAK 760.50 CMS, AT 12.82 M (A.D), AT 23.00 HOURS, ON AUG 12, 1983

RUNOFF YIELD 89.66 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 826.63 LITERS/SECOND/SQUARE KM

WATER YEAR 1983

EAST COAST-GULF BASIN

CHANTHABURI RIVER AT BAN PUK, CHANTHABURI (Z.13)

LOCATION — LAT. 12°-45'-40" N., LONG. 102°-18'-35" E., ON LEFT BANK INFRONT OF WAT BAN PUK, AMPHOE MAKHAM, CHANTHABURI.

DRAINAGE AREA — 671 SQ.KM.

TYPE OF GAGE — WATER-STAGE RECORDER.

ZERO GAGE AT BOTTOM — +0.00 M. (A.D.)

BENCH MARK — B.M.-H.D.

LOCATION — NEAR AUTOMATIC GAGE BUILDING.

ELEVATION — +8.083 M.(A.D.)

GAGE READING FREQUENCY — RECORDING.

BASIS OF MEAN DAILY GAGE HEIGHT — ARITHMETIC MEAN OF 24 READINGS.

PERIOD OF AVAILABLE GAGE RECORDS — 1968 TO DATE.

RATING OPERATION

PERIOD OF RATING — 1973 TO DATE.

RATED BY FLOAT — -

RATED BY CURRENT METER — 1973 TO DATE.

STABILITY OF CHANNEL REGIMES — STABLE.

OVERBANK FLOW CONDITIONS — OVERBANK FLOW STARTS AT ELEVATION +6.83 M.(A.D.), RECORDS ARE CHANNEL FLOW ONLY.

GENERAL DESCRIPTION — RECORDS GOOD. STAGE-DISCHARGE RELATION DEFINED BY 100 DISCHARGE MEASUREMENTS MADE IN 1983.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

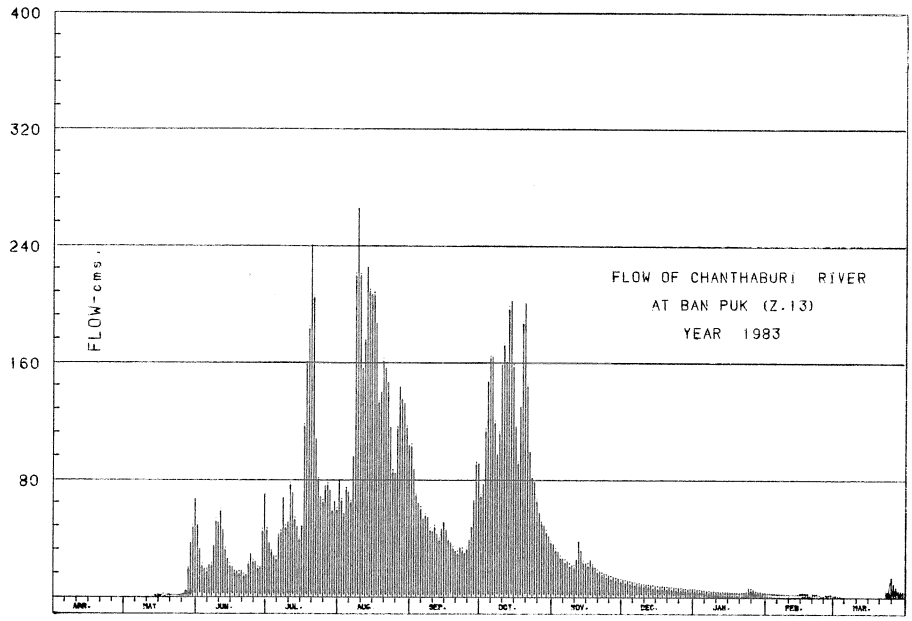
DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.01	0.01	2.25	2.14	3.04	3.68	2.78	1.82	0.93	0.59	0.43	0.30	
2	0.01	0.01	1.72	1.84	2.70	3.23	2.96	1.74	0.91	0.57	0.42	0.28	
3	0.01	0.01	1.39	1.69	2.41	2.79	3.94	1.67	0.90	0.56	0.41	0.27	
4	0.01	0.01	1.24	1.56	2.90	2.61	4.75	1.58	0.88	0.55	0.40	0.25	
5	0.01	0.01	1.24	1.55	2.82	2.54	5.17	1.52	0.86	0.54	0.39	0.24	
6	0.01	0.01	1.34	2.01	2.66	2.31	5.16	1.49	0.84	0.52	0.39	0.22	
7	0.01	0.01	1.40	2.09	3.46	2.41	4.08	1.45	0.82	0.52	0.38	0.21	
8	0.01	0.01	1.78	2.71	6.35	2.34	3.49	1.39	0.82	0.50	0.37	0.19	
9	0.01	0.01	2.31	2.19	6.99	2.14	3.89	1.34	0.79	0.50	0.36	0.19	
10	0.01	0.01	2.24	2.25	6.35	2.07	5.03	1.34	0.78	0.49	0.35	0.15	
11	0.01	0.01	2.50	2.99	4.97	2.19	5.38	1.49	0.78	0.48	0.35	0.16	
12	0.01	0.01	2.10	2.80	5.42	2.02	5.08	1.93	0.76	0.47	0.35	0.14	
13	0.01	0.01	1.75	2.34	6.42	1.94	5.92	1.69	0.75	0.47	0.35	0.16	
14	0.01	0.35	1.50	2.16	6.16	2.12	6.00	1.46	0.74	0.47	0.35	0.10	
15	0.01	0.32	1.38	1.95	6.09	2.29	5.04	1.39	0.72	0.47	0.41	0.06	
16	0.01	0.28	1.29	2.17	6.12	2.10	3.98	1.40	0.71	0.46	0.42	0.05	
17	0.01	0.26	1.18	4.02	5.68	1.94	3.37	1.48	0.70	0.45	0.43	0.00	
18	0.01	0.38	1.16	5.08	4.43	1.85	4.32	1.36	0.70	0.45	0.41	0.01	
19	0.01	0.32	1.17	5.64	4.57	1.77	5.71	1.28	0.69	0.45	0.33	0.03	
20	0.01	0.30	1.18	6.66	5.13	1.68	5.97	1.22	0.68	0.44	0.40	0.02	
21	0.01	0.30	1.10	6.08	4.98	1.68	4.71	1.18	0.68	0.44	0.37	0.00	
22	0.01	0.30	1.06	3.76	4.78	1.75	3.54	1.14	0.66	0.46	0.38	0.00	
23	0.01	0.30	1.42	3.08	3.97	1.74	3.13	1.11	0.66	0.48	0.34	0.54	
24	0.01	0.29	1.61	2.73	3.22	1.63	3.00	1.09	0.64	0.64	0.25	0.44	
25	0.01	0.32	1.48	2.67	3.16	1.76	2.69	1.06	0.64	0.61	0.27	0.99	
26	0.01	0.35	1.43	2.93	3.97	1.90	2.43	1.04	0.63	0.57	0.33	0.80	
27	0.01	0.51	1.30	2.99	4.66	2.20	2.26	1.02	0.62	0.51	0.33	0.65	
28	0.01	1.27	1.28	2.85	4.49	2.66	2.19	0.99	0.60	0.49	0.34	0.52	
29	0.01	1.84	2.12	2.51	4.38	3.36	2.10	0.97	0.58	0.47	0.32	0.50	
30	0.01	2.20	2.78	2.64	3.99	3.33	1.98	0.95	0.59	0.45		0.49	
31		2.69		2.52	3.65		1.89		0.60	0.44		0.46	
MEAN	0.01	0.41	1.59	2.92	4.51	2.27	3.93	1.35	0.73	0.50	0.37	0.27	
MAX	0.01	2.69	2.78	6.66	6.99	3.68	6.00	1.93	0.93	0.64	0.43	0.99	6.99
MIN	0.01	0.01	1.06	1.55	2.41	1.63	1.89	0.95	0.58	0.44	0.25	0.00	0.00

ANNUAL MAX MOMENTARY GAGE HEIGHT — 7.16 M (A.D), AT 24.00 HOURS, ON AUG 8, 1983

ZERO GAGE AT BOTTOM ELEVATION — 0.00 M (A.D), RIVER BED -0.44 M (A.D)

LEFT BANK ELEVATION — 7.80 M (A.D)

RIGHT BANK ELEVATION — 6.82 M (A.D), DRAINAGE AREA 671 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.00	0.00	51.10	47.14	79.92	104.52	70.18	36.18	12.13	5.73	3.08	1.20	
2	0.00	0.00	32.78	36.86	67.30	87.14	76.88	33.46	11.71	5.39	2.92	0.96	
3	0.00	0.00	23.15	31.79	56.86	70.54	114.66	31.17	11.50	5.22	2.76	0.84	
4	0.00	0.00	19.40	27.80	74.60	64.06	147.00	28.40	11.08	5.05	2.60	0.60	
5	0.00	0.00	19.40	27.50	71.64	61.54	164.51	26.60	10.66	4.88	2.46	0.48	
6	0.00	0.00	21.90	42.64	65.86	53.26	164.08	25.74	10.24	4.54	2.46	0.24	
7	0.00	0.00	23.40	45.36	95.94	56.86	120.20	24.70	9.82	4.54	2.32	0.12	
8	0.00	0.00	34.82	67.66	221.20	54.34	97.11	23.15	9.82	4.20	2.18	0.00	
9	0.00	0.00	53.26	48.94	265.70	47.14	112.71	21.90	9.22	4.20	2.04	0.00	
10	0.00	0.00	50.74	51.10	221.20	44.68	158.49	21.90	9.04	4.04	1.90	0.00	
11	0.00	0.00	60.10	78.02	155.97	48.94	173.54	25.74	9.04	3.88	1.90	0.00	
12	0.00	0.00	45.70	70.90	175.26	42.98	160.64	39.92	8.68	3.72	1.90	0.00	
13	0.00	0.00	33.80	54.34	225.40	40.26	198.36	31.79	8.50	3.72	1.90	0.00	
14	0.00	1.90	26.00	47.86	210.20	46.42	202.20	24.96	8.32	3.72	1.90	0.00	
15	0.00	1.48	22.90	40.60	206.70	52.54	158.92	23.15	7.96	3.72	2.76	0.00	
16	0.00	0.96	20.65	48.22	208.20	45.70	116.22	23.40	7.78	3.56	2.92	0.00	
17	0.00	0.72	17.92	117.80	186.84	40.26	92.46	25.48	7.60	3.40	3.08	0.00	
18	0.00	2.32	17.44	160.64	134.20	37.20	129.80	22.40	7.60	3.40	2.76	0.00	
19	0.00	1.48	17.68	184.92	139.80	34.48	188.28	20.40	7.43	3.40	1.62	0.00	
20	0.00	1.20	17.92	240.70	162.79	31.48	200.76	18.90	7.26	3.24	2.60	0.00	
21	0.00	1.20	16.00	206.20	156.38	31.48	145.40	17.92	7.26	3.24	2.18	0.00	
22	0.00	1.20	15.04	107.64	148.20	33.80	99.06	16.96	6.92	3.56	2.32	0.00	
23	0.00	1.20	23.92	81.44	115.83	33.46	83.34	16.24	6.92	3.88	1.76	4.88	
24	0.00	1.08	29.31	68.38	86.76	29.93	78.40	15.76	6.58	6.58	0.60	3.24	
25	0.00	1.48	25.48	66.22	84.48	34.14	66.94	15.04	6.58	6.07	0.84	13.39	
26	0.00	1.90	24.18	75.74	115.83	38.90	57.58	14.56	6.41	5.39	1.62	9.40	
27	0.00	4.37	20.90	78.02	143.40	49.30	51.46	14.08	6.24	4.37	1.62	6.75	
28	0.00	20.15	20.40	72.75	136.60	65.86	48.94	13.39	5.90	4.04	1.76	4.54	
29	0.00	36.86	46.42	60.46	132.20	92.08	45.70	12.97	5.56	3.72	1.48	4.20	
30	0.00	49.30	70.18	65.14	116.61	90.94	41.62	12.55	5.73	3.40		4.04	
31		66.94		60.82	103.35		38.56		5.90	3.24		3.56	
TOTAL	0.00	195.74	901.89	2413.60	4365.22	1564.23	3604.00	678.81	255.39	131.04	62.24	58.44	14230.60 CMSDAY
MEAN	0.00	6.31	30.06	77.86	140.81	52.14	116.26	22.63	8.24	4.23	2.15	1.89	38.88 CMS
MAX	0.00	66.94	70.18	240.70	265.70	104.52	202.20	39.92	12.13	6.58	3.08	13.39	265.70 CMS
MIN	0.00	0.00	15.04	27.50	56.86	29.93	38.56	12.55	5.56	3.24	0.60	0.00	0.00 CMS
RUNOFF	0.000	16.912	77.923	208.535	377.155	135.149	311.386	58.649	22.066	11.322	5.378	5.049	1229.524 MCM

MOMENTARY PEAK 279.30 CMS, AT 7.16 M (A.D), AT 24.00 HOURS, ON AUG 8, 1983

RUNOFF YIELD 57.95 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 416.24 LITERS/SECOND/SQUARE KM

WATER YEAR 1983

EAST COAST-GULF BASIN

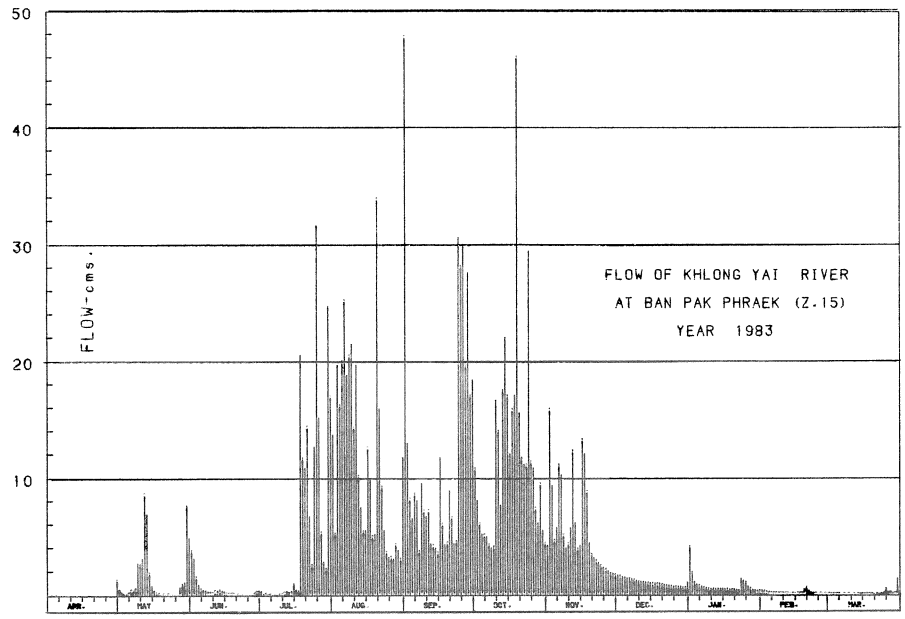
KHLONG YAI AT BAN PAK PHRAEK, RAYONG (Z.15)

LOCATION	LAT. 12°-55'-41" N., LONG. 101°-19'-30" E., ON RIGHT BANK AT BAN PAK PHRAEK, KING AMPHOE PLUAK DAENG, RAYONG.
DRAINAGE AREA	244 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM	+0.00 M. (A.D.)
BENCH MARK	B.M.-H.D.
LOCATION	NEAR THE METEOROLOGICAL STATION.
ELEVATION	+4.715 M. (A.D.)
GAGE READING FREQUENCY	5-TIME DAILY READINGS AT 06.00, 09.00, 12.00, 15.00 AND 18.00 HOURS.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 5 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1977 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1977 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1977 TO DATE.
STABILITY OF CHANNEL REGIMES	FAIRLY STABLE WITH VARIABLE WATER SURFACE SLOPE.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS GOOD. STAGE-DISCHARGE RELATION DEFINED BY 118 DISCHARGE MEASUREMENTS MADE IN 1983.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.37	0.71	2.04	0.63	2.62	3.19	2.53	2.11	1.33	2.10	0.68	0.50	
2	0.37	0.56	1.85	0.54	2.24	2.60	2.41	2.68	1.31	1.47	0.66	0.50	
3	0.37	0.49	1.28	0.53	2.77	2.42	2.31	2.47	1.26	1.04	0.64	0.49	
4	0.40	0.46	0.92	0.49	2.69	2.33	2.23	2.18	1.23	0.94	0.61	0.49	
5	0.37	0.58	0.76	0.44	2.78	2.44	2.23	2.28	1.20	0.90	0.60	0.48	
6	0.38	0.71	0.71	0.47	2.88	2.41	2.21	2.54	1.19	0.85	0.58	0.48	
7	0.38	0.63	0.66	0.42	2.75	2.03	2.13	2.51	1.18	0.81	0.57	0.48	
8	0.37	0.77	0.63	0.44	2.79	2.48	2.07	2.23	1.14	0.79	0.56	0.48	
9	0.38	1.72	0.61	0.44	2.81	2.37	2.10	2.07	1.10	0.76	0.55	0.48	
10	0.39	1.69	0.60	0.48	2.64	2.34	2.70	2.14	1.07	0.75	0.54	0.47	
11	0.37	1.85	0.68	0.60	2.77	2.37	2.63	2.28	1.06	0.75	0.54	0.47	
12	0.38	2.44	0.67	0.64	2.51	2.13	2.39	2.58	1.04	0.75	0.53	0.47	
13	0.37	2.35	0.70	0.58	2.38	2.12	2.72	2.31	1.03	0.74	0.52	0.47	
14	0.38	1.45	0.66	0.65	2.26	2.07	2.82	2.07	1.02	0.75	0.51	0.47	
15	0.37	0.88	0.62	0.96	2.26	2.00	2.71	2.11	1.01	0.74	0.51	0.47	
16	0.37	0.67	0.56	0.70	2.59	2.56	2.57	2.61	1.00	0.74	0.53	0.47	
17	0.37	0.60	0.52	0.66	2.50	2.31	2.68	2.57	0.99	0.74	0.55	0.47	
18	0.37	0.54	0.55	2.79	2.22	2.12	2.71	2.45	0.99	0.72	0.55	0.47	
19	0.37	0.52	0.53	2.56	2.23	2.15	3.17	2.14	0.99	0.72	0.73	0.46	
20	0.36	0.51	0.50	2.53	3.02	2.45	2.67	1.97	0.95	0.73	0.82	0.46	
21	0.36	0.52	0.46	2.64	2.68	2.34	2.56	1.88	0.93	0.69	0.66	0.46	
22	0.36	0.48	0.45	2.34	2.47	2.13	2.54	1.81	0.90	0.69	0.58	0.45	
23	0.35	0.45	0.44	1.69	2.26	2.17	2.54	1.74	0.89	1.17	0.55	0.45	
24	0.35	0.44	0.43	2.59	2.02	2.97	2.95	1.68	0.87	1.09	0.53	0.51	
25	0.36	0.42	0.38	2.99	1.89	2.93	2.55	1.61	0.85	1.03	0.52	0.75	
26	0.36	0.39	0.38	2.66	1.91	2.96	2.53	1.57	0.85	0.85	0.52	0.58	
27	0.36	0.81	0.39	2.25	1.84	2.77	2.38	1.50	0.84	0.77	0.51	0.59	
28	0.37	0.96	0.52	1.76	2.13	2.92	2.31	1.42	0.83	0.71	0.51	0.51	
29	0.43	1.02	0.64	1.58	2.03	2.71	2.48	1.40	0.81	0.68	0.50	0.56	
30	1.13	2.39	0.66	2.87	1.86	2.74	2.26	1.37	0.81	0.67		1.18	
31		2.20		2.71	2.56		2.15		1.02	0.68		0.61	
MEAN	0.40	0.97	0.69	1.41	2.43	2.45	2.49	2.08	1.02	0.87	0.57	0.52	
MAX	1.13	2.44	2.04	2.99	3.02	3.19	3.17	2.68	1.33	2.10	0.82	1.18	3.19
MIN	0.35	0.39	0.38	0.42	1.84	2.00	2.07	1.37	0.81	0.67	0.50	0.45	0.35

ANNUAL MAX MOMENTARY GAGE HEIGHT 4.04 M (A.D), AT 24.05 HOURS, ON OCT 18, 1983
ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D), RIVER BED -1.86 M (A.D)
LEFT BANK ELEVATION 4.09 M (A.D)
RIGHT BANK ELEVATION 4.10 M (A.D), DRAINAGE AREA 244 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.07	0.52	3.90	0.36	13.74	47.92	10.90	4.27	1.76	4.20	0.46	0.20	
2	0.07	0.26	3.15	0.24	5.34	13.00	8.11	15.96	1.72	2.04	0.42	0.20	
3	0.07	0.19	1.66	0.23	19.71	8.32	6.19	9.37	1.62	1.18	0.38	0.19	
4	0.10	0.16	0.94	0.19	16.33	6.57	5.23	4.76	1.56	0.98	0.32	0.19	
5	0.07	0.28	0.62	0.14	20.14	8.74	5.23	5.78	1.50	0.90	0.30	0.18	
6	0.08	0.52	0.52	0.17	25.32	8.11	5.01	11.20	1.48	0.80	0.28	0.18	
7	0.08	0.36	0.42	0.12	18.85	3.85	4.41	10.30	1.46	0.72	0.27	0.18	
8	0.07	0.64	0.36	0.14	20.57	9.58	4.05	5.23	1.38	0.68	0.26	0.18	
9	0.08	2.76	0.32	0.14	21.54	7.33	4.20	4.05	1.30	0.62	0.25	0.18	
10	0.09	2.67	0.30	0.18	14.48	6.76	16.70	4.48	1.24	0.60	0.24	0.17	
11	0.07	3.15	0.46	0.30	19.71	7.33	14.11	5.78	1.22	0.60	0.24	0.17	
12	0.08	8.74	0.44	0.38	10.30	4.41	7.71	12.40	1.18	0.60	0.23	0.17	
13	0.07	6.95	0.50	0.28	7.52	4.34	17.56	6.19	1.16	0.58	0.22	0.17	
14	0.08	2.00	0.42	0.40	5.56	4.05	22.08	4.05	1.14	0.60	0.21	0.17	
15	0.07	0.86	0.34	1.02	5.56	3.70	17.13	4.27	1.12	0.58	0.21	0.17	
16	0.07	0.44	0.26	0.50	12.70	11.80	12.10	13.37	1.10	0.58	0.23	0.17	
17	0.07	0.30	0.22	0.42	10.00	6.19	15.96	12.10	1.08	0.58	0.25	0.17	
18	0.07	0.24	0.25	20.57	5.12	4.34	17.13	8.95	1.08	0.54	0.25	0.17	
19	0.07	0.22	0.23	11.80	5.23	4.55	46.16	4.48	1.08	0.54	0.56	0.16	
20	0.06	0.21	0.20	10.90	34.00	8.95	15.59	3.58	1.00	0.56	0.74	0.16	
21	0.06	0.22	0.16	14.48	15.96	6.76	11.80	3.24	0.96	0.48	0.42	0.16	
22	0.06	0.18	0.15	6.76	9.37	4.41	11.20	3.03	0.90	0.48	0.28	0.15	
23	0.05	0.15	0.14	2.67	5.56	4.69	11.20	2.82	0.88	1.44	0.25	0.15	
24	0.05	0.14	0.13	12.70	3.80	30.67	29.45	2.64	0.84	1.28	0.23	0.21	
25	0.06	0.12	0.08	31.89	3.27	28.23	11.50	2.43	0.80	1.16	0.22	0.60	
26	0.06	0.09	0.08	15.22	3.34	30.06	10.90	2.31	0.80	0.80	0.22	0.28	
27	0.06	0.72	0.09	5.45	3.12	19.71	7.52	2.10	0.78	0.64	0.21	0.29	
28	0.07	1.02	0.22	2.88	4.41	27.62	6.19	1.94	0.76	0.52	0.21	0.21	
29	0.13	1.14	0.38	2.34	3.85	17.13	9.58	1.90	0.72	0.46	0.20	0.26	
30	1.36	7.71	0.42	24.78	3.18	18.42	5.56	1.84	0.72	0.44		1.46	
31		4.90		17.13	11.80		4.55		1.14	0.46		0.32	
TOTAL	3.45	47.86	17.36	184.78	359.38	367.54	375.01	174.82	35.48	26.64	8.56	7.62	1608.50 CMSDAY
MEAN	0.12	1.54	0.58	5.96	11.59	12.25	12.10	5.83	1.14	0.86	0.30	0.25	4.39 CMS
MAX	1.36	8.74	3.90	31.89	34.00	47.92	46.16	15.96	1.76	4.20	0.74	1.46	47.92 CMS
MIN	0.05	0.09	0.08	0.12	3.12	3.70	4.05	1.84	0.72	0.44	0.20	0.15	0.05 CMS
RUNOFF	0.298	4.135	1.500	15.965	31.050	31.755	32.401	15.104	3.065	2.302	0.740	0.658	138.974 MCM

MOMENTARY PEAK 195.60 CMS, AT 4.04 M (A.D), AT 24.05 HOURS, ON OCT 18, 1983
RUNOFF YIELD 18.01 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 801.64 LITERS/SECOND/SQUARE KM

WATER YEAR 1983

EAST COAST-GULF BASIN

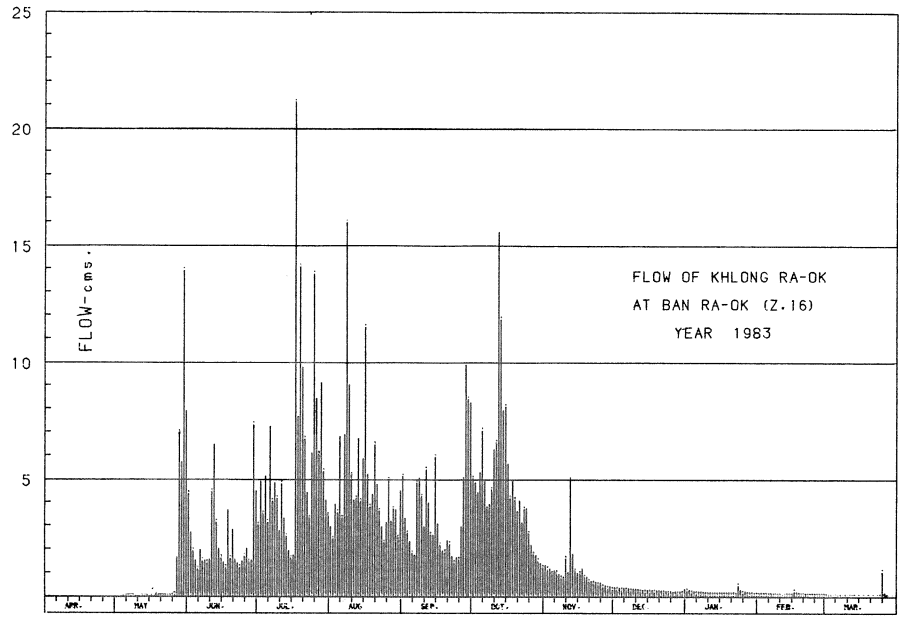
KHLONG RA-OK AT BAN RA-OK, RAYONG (Z.16)

LOCATION	LAT. 12°-51'-38" N., LONG. 101°-45'-41" E., ON RIGHT BANK NEAR KHAO CHUK AT BAN RA-OK TAMBON THUNG KHWAI KIN, AMPHOE KLAENG, RAYONG.
DRAINAGE AREA	41 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM	+0.00 M. (A.D.)
BENCH MARK	B.M.-H.D.
LOCATION	INFRONT OF THE STATION OFFICE.
ELEVATION	+3.368 M. (A.D.)
GAGE READING FREQUENCY	5-TIME DAILY READINGS AT 06.00, 09.00, 12.00, 15.00 AND 18.00 HOURS.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 5 RLADINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1979 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1979 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1979 TO DATE.
STABILITY OF CHANNEL REGIMES	STABLE.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS GOOD. STAGE-DISCHARGE RELATION DEFINED BY 64 DISCHARGE MEASUREMENTS MADE IN 1983.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.53	0.48	1.63	1.41	1.38	1.73	1.72	1.05	0.80	0.76	0.65	0.62	
2	0.53	0.47	1.34	1.69	1.31	1.44	1.68	1.03	0.80	0.73	0.65	0.61	
3	0.53	0.47	1.21	1.49	1.54	1.35	1.62	1.01	0.78	0.71	0.65	0.60	
4	0.52	0.58	1.10	1.72	1.50	1.27	1.74	0.98	0.78	0.70	0.65	0.60	
5	0.52	0.58	1.03	1.43	1.94	1.19	1.98	0.99	0.78	0.69	0.64	0.60	
6	0.52	0.58	1.20	1.99	1.46	1.15	1.69	0.99	0.78	0.69	0.64	0.60	
7	0.52	0.58	1.12	1.58	1.95	1.69	1.52	0.95	0.77	0.68	0.63	0.60	
8	0.52	0.58	1.10	1.68	2.76	1.71	1.54	0.93	0.76	0.68	0.63	0.60	
9	0.52	0.58	1.10	1.60	2.20	1.61	1.65	0.92	0.76	0.67	0.63	0.60	
10	0.52	0.58	1.11	1.35	1.74	1.38	1.87	1.14	0.75	0.67	0.63	0.60	
11	0.51	0.58	1.64	1.69	1.57	1.77	1.92	0.97	0.75	0.66	0.61	0.60	
12	0.49	0.58	1.90	1.44	1.60	1.55	2.73	1.71	0.73	0.66	0.63	0.60	
13	0.49	0.58	1.43	1.33	1.93	1.34	2.48	1.16	0.73	0.66	0.64	0.60	
14	0.50	0.57	1.21	1.19	1.58	1.32	2.07	1.01	0.73	0.66	0.63	0.60	
15	0.50	0.56	1.15	1.14	1.82	1.84	2.10	0.96	0.73	0.66	0.63	0.60	
16	0.49	0.56	1.08	1.15	2.45	1.40	1.79	0.98	0.73	0.66	0.74	0.60	
17	0.49	0.55	1.05	3.04	1.73	1.26	1.60	1.01	0.73	0.66	0.67	0.60	
18	0.49	0.66	1.50	2.04	1.54	1.19	1.70	0.94	0.73	0.66	0.65	0.60	
19	0.49	0.60	1.14	2.64	1.61	1.20	1.59	0.92	0.72	0.66	0.64	0.60	
20	0.48	0.60	1.36	2.28	1.91	1.28	1.49	0.89	0.72	0.66	0.64	0.60	
21	0.49	0.60	1.13	1.94	1.67	1.27	1.58	0.87	0.71	0.66	0.63	0.59	
22	0.49	0.59	1.07	1.62	1.51	1.14	1.41	0.87	0.71	0.65	0.63	0.59	
23	0.48	0.60	1.05	1.46	1.38	1.10	1.52	0.86	0.70	0.84	0.63	0.59	
24	0.47	0.59	1.09	1.85	1.28	1.13	1.51	0.85	0.70	0.73	0.63	0.61	
25	0.47	0.61	1.16	2.62	1.41	1.13	1.35	0.85	0.70	0.70	0.63	1.00	
26	0.48	0.66	1.21	2.13	1.71	1.38	1.24	0.83	0.67	0.69	0.63	0.64	
27	0.48	1.13	1.11	1.86	1.42	1.71	1.18	0.82	0.69	0.67	0.63	0.60	
28	0.46	1.97	1.10	2.21	1.52	2.29	1.15	0.81	0.69	0.67	0.63	0.60	
29	0.47	1.80	2.01	1.76	1.50	2.14	1.12	0.81	0.69	0.66	0.63	0.59	
30	0.48	2.63	1.63	1.57	1.32	2.11	1.07	0.80	0.70	0.65		0.60	
31		2.07		1.48	1.63		1.05		0.75	0.65		0.61	
MEAN	0.50	0.79	1.27	1.75	1.67	1.47	1.63	0.96	0.73	0.68	0.64	0.61	
MAX	0.53	2.63	2.01	3.04	2.76	2.29	2.73	1.71	0.80	0.84	0.74	1.00	3.04
MIN	0.46	0.47	1.03	1.14	1.28	1.10	1.05	0.80	0.67	0.65	0.61	0.59	0.46

ANNUAL MAX MOMENTARY GAGE HEIGHT 3.25 M (A.D), AT 12.00 HOURS, ON JUL 17, 1983
ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D), RIVER BED -0.28 M (A.D)
LEFT BANK ELEVATION 3.77 M (A.D)
RIGHT BANK ELEVATION 7.05 M (A.D), DRAINAGE AREA 41 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.03	0.00	4.51	3.16	2.98	5.23	5.15	1.35	0.42	0.35	0.17	0.12	
2	0.03	0.00	2.74	4.93	2.56	3.34	4.86	1.28	0.42	0.30	0.17	0.11	
3	0.03	0.00	2.05	3.64	3.94	2.80	4.44	1.20	0.39	0.27	0.17	0.09	
4	0.02	0.07	1.55	5.15	3.70	2.35	5.30	1.09	0.39	0.25	0.17	0.09	
5	0.02	0.07	1.28	3.28	6.84	1.96	7.18	1.12	0.39	0.23	0.15	0.09	
6	0.02	0.07	2.00	7.27	3.46	1.77	4.93	1.12	0.39	0.23	0.15	0.09	
7	0.02	0.07	1.64	4.18	6.93	4.93	3.82	0.97	0.37	0.22	0.14	0.09	
8	0.02	0.07	1.55	4.86	16.08	5.07	3.94	0.90	0.35	0.22	0.14	0.09	
9	0.02	0.07	1.55	4.30	9.05	4.37	4.65	0.86	0.35	0.20	0.14	0.09	
10	0.02	0.07	1.59	2.80	5.30	2.98	6.28	1.73	0.34	0.20	0.14	0.09	
11	0.01	0.07	4.58	4.93	4.12	5.52	6.67	1.05	0.34	0.19	0.11	0.09	
12	0.00	0.07	6.50	3.34	4.30	4.00	15.59	5.07	0.30	0.19	0.14	0.09	
13	0.00	0.07	3.28	2.68	6.75	2.74	11.96	1.82	0.30	0.19	0.15	0.09	
14	0.00	0.06	2.05	1.96	4.18	2.62	7.94	1.20	0.30	0.19	0.14	0.09	
15	0.00	0.05	1.77	1.73	5.90	6.05	8.20	1.01	0.30	0.19	0.14	0.09	
16	0.00	0.05	1.47	1.77	11.62	3.10	5.67	1.09	0.30	0.19	0.32	0.09	
17	0.00	0.05	1.35	21.23	5.23	2.30	4.30	1.20	0.30	0.19	0.20	0.09	
18	0.00	0.19	3.70	7.69	3.94	1.96	5.00	0.94	0.30	0.19	0.17	0.09	
19	0.00	0.09	1.73	14.20	4.37	2.00	4.24	0.86	0.28	0.19	0.15	0.09	
20	0.00	0.09	2.86	9.80	6.59	2.40	3.64	0.75	0.28	0.19	0.15	0.09	
21	0.00	0.09	1.68	6.84	4.79	2.35	4.18	0.68	0.27	0.19	0.14	0.08	
22	0.00	0.08	1.43	4.44	3.76	1.73	3.16	0.68	0.27	0.17	0.14	0.08	
23	0.00	0.09	1.35	3.46	2.98	1.55	3.82	0.64	0.25	0.57	0.14	0.08	
24	0.00	0.08	1.51	6.13	2.40	1.68	3.76	0.61	0.25	0.30	0.14	0.11	
25	0.00	0.11	1.82	13.90	3.16	1.68	2.80	0.61	0.25	0.25	0.14	1.16	
26	0.00	0.19	2.05	8.46	5.07	2.98	2.20	0.53	0.20	0.23	0.14	0.15	
27	0.00	1.68	1.59	6.20	3.22	5.07	1.91	0.49	0.23	0.20	0.14	0.09	
28	0.00	7.10	1.55	9.14	3.82	9.90	1.77	0.46	0.23	0.20	0.14	0.09	
29	0.00	5.75	7.44	5.45	3.70	8.54	1.64	0.46	0.23	0.19	0.14	0.08	
30	0.00	14.05	4.51	4.12	2.62	8.28	1.43	0.42	0.25	0.17		0.09	
31		7.94		3.58	4.51		1.35		0.34	0.17		0.11	
TOTAL	0.24	38.44	74.68	184.62	157.87	111.25	151.78	32.19	9.58	7.01	4.47	3.97	776.10 CMSDAY
MEAN	0.01	1.24	2.49	5.96	5.09	3.71	4.90	1.07	0.31	0.23	0.15	0.13	2.12 CMS
MAX	0.03	14.05	7.44	21.23	16.08	9.90	15.59	5.07	0.42	0.57	0.32	1.16	21.23 CMS
MIN	0.00	0.00	1.28	1.73	2.40	1.55	1.35	0.42	0.20	0.17	0.11	0.08	0.00 CMS
RUNOFF	0.021	3.321	6.452	15.951	13.640	9.612	13.114	2.781	0.828	0.606	0.386	0.343	67.055 MCM

MOMENTARY PEAK 25.98 CMS, AT 3.25 M (A.D), AT 12.00 HOURS, ON JUL 17, 1983

RUNOFF YIELD 51.72 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 633.54 LITERS/SECOND/SQUARE KM

WATER YEAR 1983

EAST COAST-GULF BASIN

KHLONG PHLO AT BAN CHAMKHO, RAYONG (Z.18)

LOCATION — LAT. 12°-57'-22" N., LONG. 101°-40'-31" E., ON RIGHT BANK AT THE BRIDGE ON ROAD, BAN CHAMKHO, AMPHOE KLAENG, RAYONG.

DRAINAGE AREA — 167 SQ.KM.

TYPE OF GAGE — STAFF GAGE.

ZERO GAGE AT BOTTOM — +0.00 M.(A.D.)

BENCH MARK — B.M.-H.D.

LOCATION — ON LEFT BANK VICINITY OF THE STATION OFFICE.

ELEVATION — +5.819 M.(A.D.)

GAGE READING FREQUENCY — 5-TIME DAILY READINGS AT 06.00, 09.00, 12.00, 15.00 AND 18.00 HOURS.

BASIS OF MEAN DAILY GAGE HEIGHT — ARITHMETIC MEAN OF 5 READINGS.

PERIOD OF AVAILABLE GAGE RECORDS — 1982 TO DATE.

RATING OPERATION

PERIOD OF RATING — 1983 TO DATE.

RATED BY FLOAT — -

RATED BY CURRENT METER — 1983 TO DATE.

STABILITY OF CHANNEL REGIMES — STABLE.

OVERBANK FLOW CONDITIONS — NO OVERBANK FLOW.

GENERAL DESCRIPTION — RECORDS POOR. STREAM GAGING BEGAN ON MAY 28, 1983 AND NO RECORDS ON JUN. 1-30, 1983. STAGE-DISCHARGE RELATION DEFINED BY 85 DISCHARGE MEASUREMENTS MADE IN 1983.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

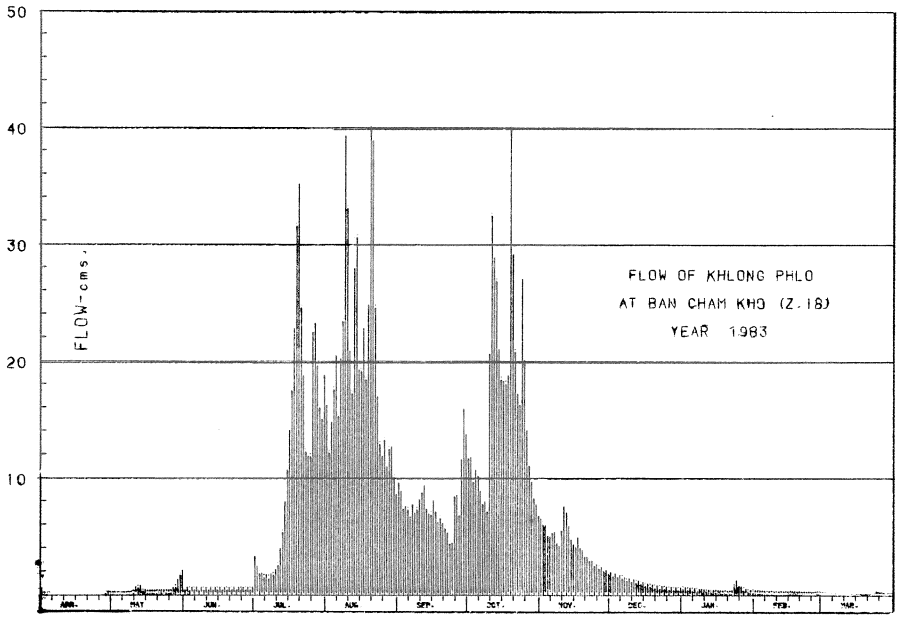
DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	1.01	1.03	*******	1.72	3.08	2.49	2.70	2.12	1.47	1.19	1.09	1.03	
2	1.01	1.03	*******	1.55	2.75	2.40	2.69	2.09	1.45	1.17	1.08	1.03	
3	1.01	1.02	*******	1.48	2.96	2.25	2.50	2.05	1.45	1.16	1.08	1.01	
4	1.01	1.02	*******	1.45	3.21	2.25	2.58	1.97	1.44	1.16	1.07	1.00	
5	0.90	1.02	*******	1.43	3.43	2.24	2.55	1.93	1.43	1.15	1.07	1.00	
6	0.90	1.02	*******	1.43	3.02	2.14	2.40	2.00	1.42	1.15	1.06	1.00	
7	0.89	1.03	*******	1.42	3.41	2.30	2.30	1.98	1.39	1.14	1.06	0.99	
8	0.89	1.03	*******	1.44	3.66	2.18	2.30	1.89	1.38	1.12	1.06	0.99	
9	0.89	1.04	*******	1.46	4.62	2.24	2.22	1.83	1.37	1.11	1.05	0.98	
10	0.89	1.07	*******	1.50	4.29	2.32	3.44	2.02	1.36	1.11	1.05	0.98	
11	0.89	1.18	*******	1.60	3.46	2.41	4.25	2.25	1.35	1.10	1.05	0.97	
12	0.89	1.21	*******	1.80	3.18	2.45	4.01	2.22	1.33	1.10	1.05	0.96	
13	0.89	1.21	*******	2.00	3.95	2.25	3.89	2.04	1.32	1.10	1.05	0.96	
14	0.89	1.10	*******	2.30	4.14	2.17	3.47	1.93	1.31	1.09	1.05	0.96	
15	0.89	1.10	*******	2.60	3.33	2.19	3.28	1.85	1.29	1.09	1.05	0.95	
16	0.89	1.08	*******	2.90	3.34	2.31	3.25	1.85	1.27	1.09	1.06	0.95	
17	0.89	1.08	*******	3.20	3.60	2.22	3.25	1.92	1.26	1.08	1.06	0.94	
18	0.89	1.08	*******	3.60	3.28	2.08	3.29	1.84	1.25	1.08	1.05	0.93	
19	0.89	1.08	*******	4.20	3.74	2.15	4.66	1.78	1.24	1.08	1.05	0.93	
20	0.88	1.08	*******	4.40	4.66	2.07	4.03	1.73	1.23	1.07	1.05	0.93	
21	0.88	1.09	*******	3.74	4.60	2.04	3.47	1.69	1.22	1.07	1.04	0.92	
22	0.87	1.09	*******	3.29	3.74	1.97	3.16	1.67	1.21	1.09	1.04	0.95	
23	0.87	1.09	*******	2.76	3.14	1.88	3.10	1.63	1.21	1.24	1.04	0.97	
24	0.87	1.09	*******	2.70	2.82	1.86	3.89	1.60	1.20	1.33	1.04	1.04	
25	0.87	1.09	*******	2.72	2.70	2.37	3.40	1.58	1.19	1.25	1.04	1.02	
26	0.86	1.09	*******	3.58	2.85	2.36	2.90	1.56	1.18	1.20	1.03	1.02	
27	0.93	1.16	*******	3.65	2.61	2.18	2.64	1.54	1.18	1.16	1.05	1.00	
28	1.05	1.22	*******	3.36	2.78	2.67	2.48	1.52	1.17	1.13	1.05	0.99	
29	1.03	1.34	*******	3.08	2.78	3.07	2.36	1.50	1.17	1.11	1.05	0.98	
30	1.03	1.45	*******	2.98	2.54	2.87	2.27	1.49	1.16	1.10		1.00	
31		1.49		3.31	2.37		2.18		1.16	1.10		0.99	
MEAN	0.92	1.12	*******	2.54	3.36	2.28	3.06	1.84	1.29	1.13	1.05	0.98	
MAX	1.05	1.49	*******	4.40	4.66	3.07	4.66	2.25	1.47	1.33	1.09	1.04	4.66
MIN	0.86	1.02	*******	1.42	2.37	1.86	2.18	1.49	1.16	1.07	1.03	0.92	*******

ANNUAL MAX MOMENTARY GAGE HEIGHT — 5.14 M (A.D), AT 18.00 HOURS, ON AUG 20, 1983

ZERO GAGE AT BOTTOM ELEVATION — 0.00 M (A.D), RIVER BED -0.26 M (A.D)

LEFT BANK ELEVATION — 6.90 M (A.D)

RIGHT BANK ELEVATION — 8.16 M (A.D), DRAINAGE AREA 167 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.23	0.29	*******	3.52	16.26	9.80	11.90	6.56	2.02	0.77	0.47	0.29	
2	0.23	0.29	*******	2.50	12.40	8.90	11.80	6.32	1.90	0.71	0.44	0.29	
3	0.23	0.26	*******	2.08	14.82	7.60	9.90	6.00	1.90	0.68	0.44	0.23	
4	0.23	0.26	*******	1.90	17.82	7.60	10.70	5.36	1.84	0.68	0.41	0.20	
5	0.10	0.26	*******	1.78	20.49	7.52	10.40	5.04	1.78	0.65	0.41	0.20	
6	0.10	0.26	*******	1.78	15.54	6.72	8.90	5.60	1.72	0.65	0.38	0.20	
7	0.09	0.29	*******	1.72	20.23	8.00	8.00	5.44	1.56	0.62	0.38	0.19	
8	0.09	0.29	*******	1.84	23.64	7.04	8.00	4.72	1.52	0.56	0.38	0.19	
9	0.09	0.32	*******	1.96	39.30	7.52	7.36	4.24	1.48	0.53	0.35	0.18	
10	0.09	0.41	*******	2.20	33.33	8.18	20.62	5.76	1.44	0.53	0.35	0.18	
11	0.09	0.74	*******	2.80	20.88	9.00	32.65	7.60	1.40	0.50	0.35	0.17	
12	0.09	0.84	*******	4.00	17.46	9.40	28.85	7.36	1.32	0.50	0.35	0.16	
13	0.09	0.84	*******	5.60	27.95	7.60	27.05	5.92	1.28	0.50	0.35	0.16	
14	0.09	0.50	*******	8.00	30.84	6.96	21.01	5.04	1.24	0.47	0.35	0.16	
15	0.09	0.50	*******	10.90	19.26	7.12	18.66	4.40	1.16	0.47	0.35	0.15	
16	0.09	0.44	*******	14.10	19.38	8.09	18.30	4.40	1.08	0.47	0.38	0.15	
17	0.09	0.44	*******	17.70	22.80	7.36	18.30	4.96	1.04	0.44	0.38	0.14	
18	0.09	0.44	*******	22.80	18.66	6.24	18.78	4.32	1.00	0.44	0.35	0.13	
19	0.09	0.44	*******	31.80	24.80	6.80	40.10	3.88	0.96	0.44	0.35	0.13	
20	0.08	0.44	*******	35.20	40.10	6.16	29.15	3.58	0.92	0.41	0.35	0.13	
21	0.08	0.47	*******	24.80	38.90	5.92	21.01	3.34	0.88	0.41	0.32	0.12	
22	0.07	0.47	*******	18.78	24.80	5.36	17.22	3.22	0.84	0.47	0.32	0.15	
23	0.07	0.47	*******	12.50	16.98	4.64	16.50	2.98	0.84	0.96	0.32	0.17	
24	0.07	0.47	*******	11.90	13.14	4.48	27.05	2.80	0.80	1.32	0.32	0.32	
25	0.07	0.47	*******	12.10	11.90	8.63	20.10	2.68	0.77	1.00	0.32	0.26	
26	0.06	0.47	*******	22.52	13.50	8.54	14.10	2.56	0.74	0.80	0.29	0.26	
27	0.13	0.68	*******	23.50	11.00	7.04	11.30	2.44	0.74	0.68	0.35	0.20	
28	0.35	0.88	*******	19.62	12.70	11.60	9.70	2.32	0.71	0.59	0.35	0.19	
29	0.29	1.36	*******	16.26	12.70	16.14	8.54	2.20	0.71	0.53	0.35	0.18	
30	0.29	1.90	*******	15.06	10.30	13.74	7.76	2.14	0.68	0.50		0.20	
31		2.14		19.02	8.63		7.04		0.68	0.50		0.19	
TOTAL	3.85	18.33	*******	370.24	630.51	239.70	520.75	133.18	36.95	18.78	10.51	5.87	******** CMSDAY
MEAN	0.13	0.59	*******	11.94	20.34	7.99	16.80	4.44	1.19	0.61	0.36	0.19	******** CMS
MAX	0.35	2.14	*******	35.20	40.10	16.14	40.10	7.60	2.02	1.32	0.47	0.32	40.10 CMS
MIN	0.06	0.26	*******	1.72	8.63	4.48	7.04	2.14	0.68	0.41	0.29	0.12	******** CMS
RUNOFF	0.333	1.584	*******	31.989	54.476	20.710	44.993	11.507	3.192	1.623	0.908	0.507	******** MCM

MOMENTARY PEAK 50.12 CMS, AT 5.14 M (A.D), AT 18.00 HOURS, ON AUG 20, 1983

RUNOFF YIELD ******** LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 300.12 LITERS/SECOND/SQUARE KM

WATER YEAR 1983

MAE KLONG RIVER BASIN

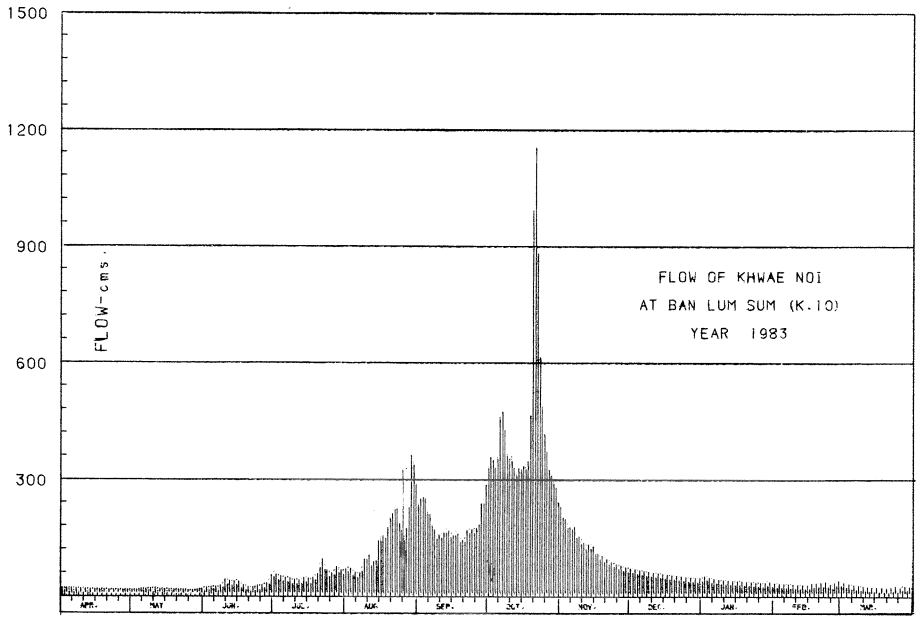
KHWAE NOI RIVER AT BAN LUM SUM, KANCHANABURI (K.10)

LOCATION	LAT. 14°-05'-40" N., LONG. 99°-10'-28" E., ON LEFT BANK ABOUT 100 METERS UPSTREAM FROM BAN LUM SUM RAILWAY STATION, AMPHOE SAI YOK, KANCHANABURI.
DRAINAGE AREA	7,008 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM	+30.40 M. (M.S.L.)
BENCH MARK	B.M.-H.D.
LOCATION	NEAR THE GAGE SITE.
ELEVATION	+52.057 M. (M.S.L.)
GAGE READING FREQUENCY	16-TIME DAILY READINGS AT 03.00, 06.00-18.00, 21.00 AND 24.00 HOURS.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 16 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1965 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1965 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1965 TO DATE.
STABILITY OF CHANNEL REGIMES	FAIRLY STABLE.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS GOOD. STAGE-DISCHARGE RELATION DEFINED BY 123 DISCHARGE MEASUREMENTS MADE IN 1983.

GAGE HEIGHT IN METER (MSL), WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	31.09	31.00	31.11	31.90	32.06	34.62	35.79	34.43	32.10	31.66	31.34	31.45	
2	31.08	31.00	31.12	31.79	32.14	34.68	36.02	34.22	32.09	31.71	31.33	31.38	
3	31.08	31.00	31.13	31.74	32.09	34.87	36.06	34.05	32.06	31.71	31.32	31.35	
4	31.08	31.01	31.16	31.71	31.97	34.70	35.68	33.88	32.04	31.63	31.31	31.31	
5	31.08	31.07	31.17	31.66	31.90	34.33	36.09	33.75	32.01	31.59	31.31	31.27	
6	31.07	31.04	31.16	31.62	31.86	34.19	37.09	33.85	32.00	31.57	31.30	31.25	
7	31.07	31.05	31.15	31.65	31.87	33.93	37.29	33.76	31.97	31.55	31.30	31.23	
8	31.06	31.06	31.22	31.60	32.16	33.66	36.75	33.51	31.95	31.54	31.29	31.22	
9	31.06	31.08	31.33	31.52	32.54	33.46	36.18	33.41	31.93	31.52	31.28	31.20	
10	31.05	31.08	31.53	31.53	32.71	33.47	35.99	33.31	31.91	31.51	31.27	31.18	
11	31.05	31.10	31.50	31.53	32.71	33.51	36.03	33.19	31.89	31.50	31.26	31.17	
12	31.04	31.05	31.46	31.49	32.43	33.55	35.69	33.11	31.87	31.49	31.26	31.16	
13	31.04	31.03	31.44	31.55	32.43	33.68	35.53	33.12	31.86	31.48	31.26	31.15	
14	31.03	31.04	31.44	31.61	32.65	33.62	35.66	33.13	31.84	31.47	31.26	31.14	
15	31.03	31.04	31.48	31.64	33.25	33.53	35.76	33.05	31.82	31.47	31.25	31.13	
16	31.02	31.04	31.42	31.59	33.39	33.45	35.73	32.93	31.81	31.46	31.27	31.13	
17	31.02	31.03	31.31	31.55	33.44	33.60	35.77	32.79	31.79	31.46	31.34	31.12	
18	31.02	31.02	31.24	31.63	33.51	33.51	35.89	32.72	31.77	31.45	31.35	31.11	
19	31.02	31.02	31.20	31.73	33.74	33.33	37.18	32.69	31.76	31.44	31.35	31.11	
20	31.02	31.01	31.15	31.82	34.17	33.28	40.59	32.62	31.75	31.43	31.37	31.10	
21	31.01	31.01	31.13	32.33	34.22	33.35	41.46	32.55	31.73	31.42	31.37	31.09	
22	31.01	31.01	31.14	32.54	34.47	33.63	39.96	32.49	31.72	31.41	31.37	31.14	
23	31.01	31.01	31.15	32.26	34.37	33.67	38.33	32.43	31.70	31.40	31.43	31.13	
24	31.01	31.00	31.23	32.01	34.03	33.66	37.32	32.39	31.69	31.39	31.36	31.19	
25	31.01	30.98	31.21	31.92	33.65	33.69	36.73	32.33	31.67	31.38	31.30	31.13	
26	31.00	30.97	31.25	31.86	33.41	33.71	36.18	32.28	31.65	31.37	31.29	31.13	
27	31.00	30.98	31.30	31.99	33.70	33.98	35.74	32.25	31.64	31.36	31.37	31.20	
28	31.00	30.99	31.34	32.19	34.52	34.53	35.44	32.20	31.63	31.37	31.44	31.20	
29	31.00	31.02	31.49	32.11	36.08	34.67	35.30	32.16	31.62	31.43	31.47	31.20	
30	31.00	31.03	31.76	32.01	35.95	35.13	35.05	32.13	31.61	31.40		31.17	
31		31.06		32.01	35.15		34.69		31.62	31.37		31.13	
MEAN	31.04	31.03	31.29	31.81	33.31	33.90	36.55	33.02	31.82	31.48	31.32	31.19	
MAX	31.09	31.10	31.76	32.54	36.08	35.13	41.46	34.43	32.10	31.71	31.47	31.45	41.46
MIN	31.00	30.97	31.11	31.49	31.86	33.28	34.69	32.13	31.61	31.36	31.25	31.09	30.97

ANNUAL MAX MOMENTARY GAGE HEIGHT 41.59 M (MSL), AT 9.00 HOURS, ON OCT 21, 1983
ZERO GAGE AT BOTTOM ELEVATION 30.40 M (MSL), RIVER BED 28.88 M (MSL)
LEFT BANK ELEVATION 51.80 M (MSL)
RIGHT BANK ELEVATION 46.98 M (MSL), DRAINAGE AREA 7008 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	22.5	18.0	23.5	63.0	71.0	245.6	339.2	230.4	73.0	51.0	35.0	40.5	
2	22.0	18.0	24.0	57.5	75.0	250.4	357.8	213.6	72.5	53.5	34.5	37.0	
3	22.0	18.0	24.5	55.0	72.5	265.6	361.4	200.0	71.0	53.5	34.0	35.5	
4	22.0	18.5	26.0	53.5	66.5	252.0	330.4	187.6	70.0	49.5	33.5	33.5	
5	22.0	21.5	26.5	51.0	63.0	222.4	364.1	178.5	68.5	47.5	33.5	31.5	
6	21.5	20.0	26.0	49.0	61.0	211.2	462.9	185.5	68.0	46.5	33.0	30.5	
7	21.5	20.5	25.5	50.5	61.5	191.1	484.9	179.2	66.5	45.5	33.0	29.5	
8	21.0	21.0	29.0	48.0	76.0	172.2	427.0	161.7	65.5	45.0	32.5	29.0	
9	21.0	22.0	34.5	44.0	96.4	158.2	372.2	154.7	64.5	44.0	32.0	28.0	
10	20.5	22.0	44.5	44.5	106.6	158.9	355.2	147.7	63.5	43.5	31.5	27.0	
11	20.5	23.0	43.0	44.5	106.6	161.7	358.7	139.3	62.5	43.0	31.0	26.5	
12	20.0	20.5	41.0	42.5	89.8	164.5	331.2	133.7	61.5	42.5	31.0	26.0	
13	20.0	19.5	40.0	45.5	89.8	173.6	318.4	134.4	61.0	42.0	31.0	25.5	
14	19.5	20.0	40.0	48.5	103.0	169.4	328.8	135.1	60.0	41.5	31.0	25.0	
15	19.5	20.0	42.0	50.0	143.5	163.1	336.8	129.5	59.0	41.5	30.5	24.5	
16	19.0	20.0	39.0	47.5	153.3	157.5	334.4	121.1	58.5	41.0	31.5	24.5	
17	19.0	19.5	33.5	45.5	156.8	168.0	337.6	111.4	57.5	41.0	35.0	24.0	
18	19.0	19.0	30.0	49.5	161.7	161.7	347.2	107.2	56.5	40.5	35.5	23.5	
19	19.0	19.0	28.0	54.5	177.8	149.1	472.8	105.4	56.0	40.0	35.5	23.5	
20	19.0	18.5	25.5	59.0	209.6	145.6	993.2	101.2	55.5	39.5	36.5	23.0	
21	18.5	18.5	24.5	84.5	213.6	150.5	1161.0	97.0	54.5	39.0	36.5	22.5	
22	18.5	18.5	25.0	96.4	233.6	170.1	881.2	93.4	54.0	38.5	36.5	25.0	
23	18.5	18.5	25.5	81.0	225.6	172.9	621.2	89.8	53.0	38.0	39.5	24.5	
24	18.5	18.0	29.5	68.5	198.4	172.2	488.4	87.5	52.5	37.5	36.0	27.5	
25	18.5	17.0	28.5	64.0	171.5	174.3	425.0	84.5	51.5	37.0	33.0	24.5	
26	18.0	16.5	30.5	61.0	154.7	175.7	372.2	82.0	50.5	36.5	32.5	24.5	
27	18.0	17.0	33.0	67.5	175.0	194.6	335.2	80.5	50.0	36.0	36.5	28.0	
28	18.0	17.5	35.0	77.5	237.6	238.4	311.2	78.0	49.5	36.5	40.0	28.0	
29	18.0	19.0	42.5	73.5	363.2	249.6	300.0	76.0	49.0	39.5	41.5	28.0	
30	18.0	19.5	56.0	68.5	352.0	286.4	280.0	74.5	48.5	38.0		26.5	
31		21.0		68.5	288.0		251.2		49.0	36.5		24.5	
TOTAL	593.0	599.5	976.0	1813.9	4754.6	5726.5	13440.8	3900.4	1833.0	1305.0	993.0	851.5	36787.2 CMSDAY
MEAN	19.8	19.3	32.5	58.5	153.4	190.9	433.6	130.0	59.1	42.1	34.2	27.5	100.5 CMS
MAX	22.5	23.0	56.0	96.4	363.2	286.4	1161.0	230.4	73.0	53.5	41.5	40.5	1161.0 CMS
MIN	18.0	16.5	23.5	42.5	61.0	145.6	251.2	74.5	48.5	36.0	30.5	22.5	16.5 CMS
RUNOFF	51.24	51.80	84.33	156.72	410.80	494.77	1161.29	336.99	158.37	112.75	85.80	73.57	3178.41 MCM

MOMENTARY PEAK 1187.00 CMS, AT 41.59 M (MSL), AT 9.00 HOURS, ON OCT 21, 1983
RUNOFF YIELD 14.34 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 169.38 LITERS/SECOND/SQUARE KM

WATER YEAR 1983

MAE KLONG RIVER BASIN

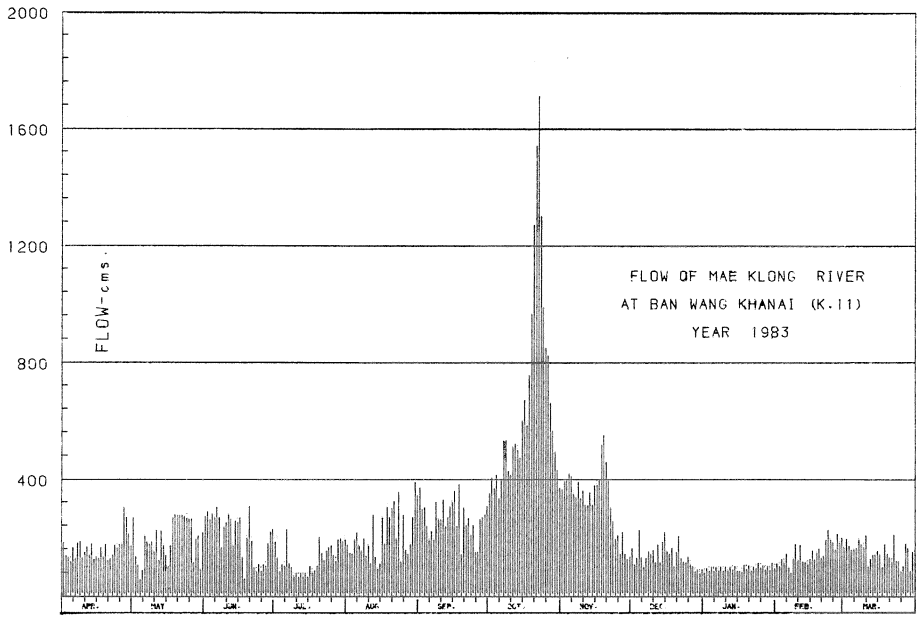
MAE KLONG RIVER AT BAN WANG KHANAI, KANCHANABURI (K.11)

LOCATION	LAT. 13°-56'-55" N., LONG. 99°-38'-42" E., ON LEFT BANK ABOUT 3 KILOMETERS DOWNSTREAM FROM AMPHOE THA MUANG OFFICE, AMPHOE THA MUANG, KANCHANABURI.
DRAINAGE AREA	26,449 SQ.KM.
TYPE OF GAGE	WATER-STAGE RECORDER.
ZERO GAGE AT BOTTOM	+11.928 M.(M.S.L.)
BENCH MARK	B.M.-H.D.
LOCATION	ALONG THE GAGE LINE.
ELEVATION	+21.985 M. (M.S.L.)
GAGE READING FREQUENCY	RECORDING.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 24 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1965 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1965-1969, 1972 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1965-1969, 1972 TO DATE.
STABILITY OF CHANNEL REGIMES	STABLE.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS FAIR. FLOW REGULATED BY VACHIRALONGKORN DIVERSION DAM FOR IRRIGATION OF ABOUT 419,520 HECTARES ABOVE GAGE SITE. STAGE-DISCHARGE RELATION DEFINED BY 38 DISCHARGE MEASUREMENTS MADE IN 1983.

GAGE HEIGHT IN METER (MSL), WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	12.31	12.68	12.75	12.38	12.27	13.14	13.06	13.06	12.22	11.90	11.98	12.28	
2	12.17	12.15	12.76	12.07	12.20	12.79	13.22	13.23	12.03	11.91	12.00	12.36	
3	12.08	11.96	12.71	11.92	12.13	12.87	13.13	13.19	12.07	11.93	12.05	12.32	
4	12.08	11.79	12.73	11.97	12.41	12.56	13.26	13.33	12.55	11.93	12.05	12.19	
5	12.23	11.87	12.73	12.01	12.46	12.40	12.99	13.24	12.08	11.93	12.13	12.26	
6	12.12	12.46	12.82	12.51	12.31	12.48	13.20	13.05	11.99	11.93	11.98	12.22	
7	12.30	12.32	12.73	12.04	12.18	12.41	13.69	12.95	12.07	11.93	11.83	12.41	
8	12.39	12.35	12.23	11.93	12.43	12.89	13.66	13.22	12.23	11.93	12.11	12.28	
9	12.07	12.32	12.60	11.83	12.10	12.70	13.35	12.94	12.13	11.93	12.28	12.30	
10	12.22	12.23	12.61	11.83	12.31	12.65	13.26	13.10	12.25	11.93	12.08	12.42	
11	12.24	12.50	12.77	11.83	11.98	12.97	13.62	12.85	12.00	11.93	12.27	11.99	
12	12.18	12.09	12.66	11.83	12.76	12.55	13.62	12.90	12.33	11.93	12.07	12.05	
13	12.29	12.49	12.31	11.83	12.08	12.73	13.60	13.02	12.00	11.95	12.00	12.18	
14	12.11	12.33	12.63	11.83	11.96	12.83	13.46	12.91	12.37	11.94	12.03	12.12	
15	12.09	12.11	12.67	11.83	11.98	12.94	13.88	13.12	12.47	11.93	12.05	12.24	
16	12.13	12.00	12.68	11.94	12.72	13.04	14.06	13.18	12.23	11.86	12.24	12.12	
17	12.23	12.26	12.13	11.90	12.29	12.61	13.85	13.19	12.13	11.91	12.04	11.99	
18	12.15	12.73	11.73	11.87	12.87	13.13	14.29	13.65	12.28	11.96	12.21	12.28	
19	12.28	12.72	12.41	12.00	12.68	12.18	14.84	13.72	11.94	11.96	12.21	12.18	
20	12.10	12.77	12.83	12.39	12.86	12.81	15.50	13.46	12.22	11.95	12.13	12.08	
21	12.06	12.71	12.39	12.20	12.90	12.63	16.10	13.18	12.41	11.93	12.10	12.06	
22	12.18	12.77	11.92	12.03	12.41	12.67	16.43	12.85	12.13	11.93	12.40	12.43	
23	12.27	12.70	11.92	12.23	13.03	12.49	15.59	12.63	12.01	11.97	12.50	12.08	
24	12.29	12.73	11.97	12.23	12.06	12.57	14.87	12.43	12.06	11.99	12.41	12.02	
25	12.28	12.66	11.93	12.32	12.71	12.22	14.56	12.42	12.09	11.98	12.31	11.92	
26	12.35	12.72	11.97	12.11	12.25	12.16	14.46	12.19	12.03	11.95	12.26	11.94	
27	12.82	12.00	12.01	12.08	12.13	12.70	14.07	12.47	11.94	11.95	12.44	12.35	
28	12.74	12.42	12.29	12.35	12.34	12.68	13.76	12.19	11.92	11.94	12.36	12.22	
29	12.44	12.41	12.53	12.43	12.68	12.77	13.58	12.05	11.89	11.94	12.38	11.93	
30	12.32	11.94	12.51	12.32	13.21	12.83	13.32	12.15	11.89	11.99		12.16	
31		12.46		12.41	12.98		13.14		11.89	11.97		12.20	
MEAN	12.25	12.38	12.43	12.08	12.44	12.68	13.98	12.93	12.12	11.94	12.17	12.18	
MAX	12.82	12.77	12.83	12.51	13.21	13.14	16.43	13.72	12.55	11.99	12.50	12.43	16.43
MIN	12.06	11.79	11.73	11.83	11.96	12.16	12.99	12.05	11.89	11.86	11.83	11.92	11.73

ANNUAL MAX MOMENTARY GAGE HEIGHT 16.58 M (MSL), AT 2.00 HOURS, ON OCT 22, 1983
ZERO GAGE AT BOTTOM ELEVATION 11.93 M (MSL), RIVER BED 10.45 M (MSL)
LEFT BANK ELEVATION 21.56 M (MSL)
RIGHT BANK ELEVATION 22.90 M (MSL), DRAINAGE AREA 26449 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	185.2	270.0	287.5	200.6	176.4	385.0	365.0	365.0	165.4	95.0	112.6	178.6	
2	154.4	150.0	290.0	132.4	161.0	297.5	405.0	407.5	123.6	97.2	117.0	196.2	
3	134.6	108.2	277.5	99.4	145.6	317.5	382.5	397.5	132.4	101.6	128.0	187.4	
4	134.6	73.0	282.5	110.4	207.2	240.8	415.0	434.0	238.5	101.6	128.0	158.8	
5	167.6	89.0	282.5	119.2	218.2	205.0	347.5	410.0	134.6	101.6	145.6	174.2	
6	143.4	218.2	305.0	229.3	185.2	222.6	400.0	362.5	114.8	101.6	112.6	165.4	
7	183.0	187.4	282.5	125.8	156.6	207.2	542.0	337.5	132.4	101.6	81.0	207.2	
8	202.8	194.0	167.6	101.6	211.6	322.5	533.0	405.0	167.6	101.6	141.2	178.6	
9	132.4	187.4	250.0	81.0	139.0	275.0	440.0	335.0	145.6	101.6	178.6	183.0	
10	165.4	167.6	252.5	81.0	185.2	262.5	415.0	375.0	172.0	101.6	134.6	209.4	
11	169.8	227.0	292.5	81.0	112.6	342.5	521.0	312.5	117.0	101.6	176.4	114.8	
12	156.6	136.8	265.0	81.0	290.0	238.5	521.0	325.0	189.6	101.6	132.4	128.0	
13	180.8	224.8	185.2	81.0	134.6	282.5	515.0	355.0	117.0	106.0	117.0	156.6	
14	141.2	189.6	257.5	81.0	108.2	307.5	473.0	327.5	198.4	103.8	123.6	143.4	
15	136.8	141.2	267.5	81.0	112.6	335.0	608.0	380.0	220.4	101.6	128.0	169.8	
16	145.6	117.0	270.0	103.8	280.0	360.0	671.0	395.0	167.6	87.0	169.8	143.4	
17	167.6	174.2	145.6	95.0	180.8	252.5	597.5	397.5	145.6	97.2	125.8	114.8	
18	150.0	282.5	61.0	89.0	317.5	382.5	756.0	530.0	178.6	108.2	163.2	178.6	
19	178.6	280.0	207.2	117.0	270.0	156.6	976.0	552.0	103.8	108.2	163.2	156.6	
20	139.0	292.5	307.5	202.8	315.0	302.5	1270.0	473.0	165.4	106.0	145.6	134.6	
21	130.2	277.5	202.8	161.0	325.0	257.5	1554.0	395.0	207.2	101.6	139.0	130.2	
22	156.6	292.5	99.4	123.6	207.2	267.5	1712.4	312.5	145.6	101.6	205.0	211.6	
23	176.4	275.0	99.4	167.6	357.5	224.8	1310.5	257.5	119.2	110.4	227.0	134.6	
24	180.8	282.5	110.4	167.6	130.2	243.1	988.0	211.6	130.2	114.8	207.2	121.4	
25	178.6	265.0	101.6	187.4	277.5	165.4	864.0	209.4	136.8	112.6	185.2	99.4	
26	194.0	280.0	110.4	141.2	172.0	152.2	824.0	158.8	123.6	106.0	174.2	103.8	
27	305.0	117.0	119.2	134.6	145.6	275.0	674.5	220.4	103.8	106.0	213.8	194.0	
28	285.0	209.4	180.8	194.0	191.8	270.0	566.0	158.8	99.4	103.8	196.2	165.4	
29	213.8	207.2	233.9	211.6	270.0	292.5	509.0	128.0	93.0	103.8	200.6	101.6	
30	187.4	103.8	229.3	187.4	402.5	307.5	431.0	150.0	93.0	114.8		152.2	
31		218.2		207.2	345.0		385.0		93.0	110.4		161.0	
TOTAL	5177.2	6238.5	6423.8	4176.5	6731.6	8151.2	20971.9	10078.5	4475.1	3212.0	4472.4	4854.6	84963.3 CMSDAY
MEAN	172.6	201.2	214.1	134.7	217.1	271.7	676.5	336.0	144.4	103.6	154.2	156.6	232.1 CMS
MAX	305.0	292.5	307.5	229.3	402.5	385.0	1712.4	552.0	238.5	114.8	227.0	211.6	1712.4 CMS
MIN	130.2	73.0	61.0	81.0	108.2	152.2	347.5	128.0	93.0	87.0	81.0	99.4	61.0 CMS
RUNOFF	447.31	539.01	555.02	360.85	581.61	704.26	1811.97	870.78	386.65	277.52	386.42	419.44	7340.83 MCM

MOMENTARY PEAK 1784.40 CMS, AT 16.58 M (MSL), AT 2.00 HOURS, ON OCT 22, 1983

RUNOFF YIELD 8.78 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 67.47 LITERS/SECOND/SQUARE KM

WATER YEAR 1983

MAE KLONG RIVER BASIN.

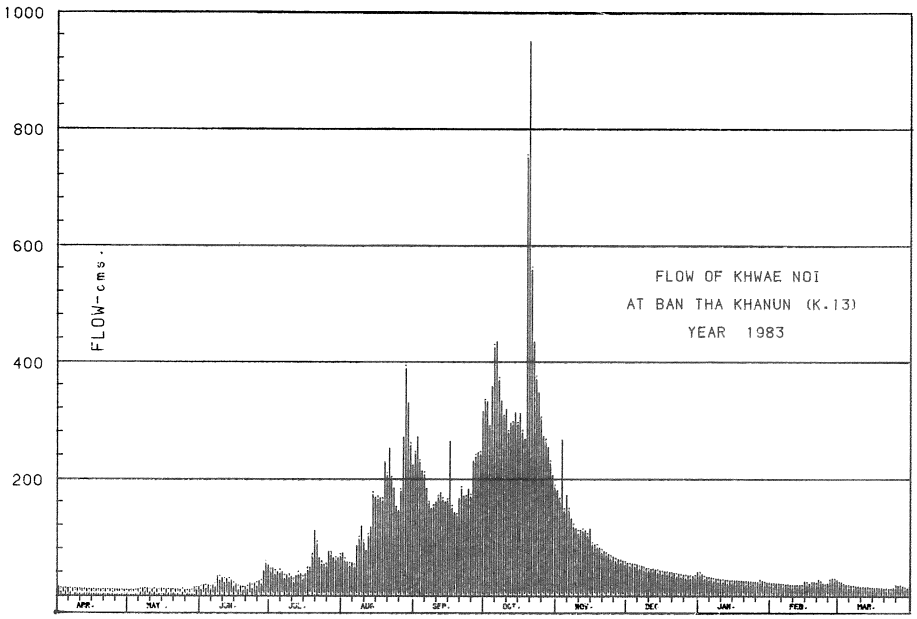
KHWAE NOI RIVER AT BAN THA KHANUN, KANCHANABURI (K.13)

LOCATION	LAT. 14°-43'-50" N., LONG. 98°-38'-32" E., ON RIGHT BANK AT POMPE VILLAGE, ABOUT 200 METERS DOWNSTREAM FROM WAT THA KHANUN, AMPHOE THONG PHA PHUM, KANCHANABURI.
DRAINAGE AREA	4,047 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM	+73.641 M.(M.S.L.)
BENCH MARK	B.M.-H.D.
LOCATION	ON RIGHT BANK NEAR THE OBSERVER'S HOUSE.
ELEVATION	+97.165 M.(M.S.L.)
GAGE READING FREQUENCY	13-TIME DAILY READINGS AT 06.00-18.00 HOURS.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 13 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1965 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1965 - 1971, 1979.
RATED BY FLOAT	-
RATED BY CURRENT METER	1965 - 1971, 1979.
STABILITY OF CHANNEL REGIMES	STABLE.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS GOOD. STAGE-DISCHARGE RELATION DEFINED BY 120 DISCHARGE MEASUREMENTS MADE IN 1971, 1979.

GAGE HEIGHT IN METER (MSL), WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	75.71	75.56	75.74	76.26	76.64	78.41	79.16	77.81	76.41	76.18	75.86	75.90	
2	75.66	75.56	75.78	76.27	76.52	78.62	79.13	77.68	76.40	76.13	75.85	75.89	
3	75.65	75.55	75.79	76.22	76.42	78.29	78.78	78.58	76.39	76.08	75.85	75.83	
4	75.65	75.56	75.77	76.18	76.41	78.12	79.35	77.50	76.38	76.06	75.84	75.80	
5	75.64	75.59	75.73	76.24	76.40	78.10	79.94	77.73	76.37	76.05	75.84	75.79	
6	75.64	75.62	75.76	76.18	76.37	77.84	79.98	77.51	76.34	76.04	75:83	75.77	
7	75.63	75.63	75.85	76.11	76.82	77.62	79.48	77.33	76.33	76.02	75.82	75.76	
8	75.63	75.64	76.08	76.10	77.00	77.50	79.14	77.24	76.31	76.01	75.81	75.74	
9	75.62	75.64	76.08	76.12	77.20	77.56	78.93	77.16	76.28	76.00	75.80	75.73	
10	75.62	75.61	76.02	76.06	76.93	77.61	79.02	77.12	76.27	75.99	75.79	75.71	
11	75.61	75.59	76.01	76.01	76.70	77.72	78.71	77.13	76.26	75.98	75.79	75.71	
12	75.61	75.63	75.99	76.08	77.05	77.77	78.82	77.15	76.26	75.97	75.79	75.70	
13	75.60	75.59	76.02	76.19	77.18	77.68	78.84	77.12	76.24	75.96	75.79	75.70	
14	75.60	75.60	75.94	76.13	77.78	77.61	78.97	77.06	76.24	75.95	75.79	75.69	
15	75.59	75.62	75.87	76.08	77.69	77.66	78.83	77.15	76.22	75.95	75.92	75.68	
16	75.59	75.60	75.81	76.13	77.71	78.56	78.96	76.89	76.21	75.95	75.89	75.67	
17	75.58	75.59	75.75	76.29	77.68	77.55	78.72	76.85	76.20	75.94	75.84	75.67	
18	75.58	75.61	75.72	76.29	77.68	77.43	78.59	76.85	76.19	75.94	75.89	75.67	
19	75.58	75.60	75.70	76.62	78.26	77.41	82.00	76.78	76.18	75.93	75.90	75.66	
20	75.59	75.60	75.70	77.11	78.09	77.67	83.08	76.74	76.17	75.93	75.87	75.65	
21	75.60	75.59	75.75	76.91	78.46	77.87	80.84	76.69	76.16	75.92	75.98	75.65	
22	75.59	75.58	75.84	76.52	78.03	77.71	79.98	76.66	76.15	75.92	75.92	75.64	
23	75.59	75.57	75.80	76.44	77.85	77.72	79.50	76.62	76.14	75.91	75.85	75.64	
24	75.59	75.63	75.84	76.36	77.53	77.83	79.26	76.59	76.13	75.90	75.82	75.67	
25	75.58	75.55	75.88	76.39	77.46	77.74	78.91	76.56	76.12	75.89	75.85	75.79	
26	75.58	75.56	75.92	76.68	77.83	78.27	78.63	76.53	76.11	75.89	75.98	75.77	
27	75.57	75.57	75.96	76.67	78.62	78.37	78.59	76.50	76.10	75.97	76.02	75.78	
28	75.57	75.58	76.20	76.52	79.65	78.40	78.47	76.48	76.09	75.93	76.01	75.74	
29	75.56	75.69	76.45	76.54	79.11	78.41	78.28	76.46	76.08	75.90	75.97	75.70	
30	75.56	75.70	76.34	76.52	78.54	78.99	78.05	76.44	76.10	75.88		75.66	
31		75.70		76.62	78.21		77.90		76.18	75.87		75.73	
MEAN	75.61	75.60	75.90	76.35	77.54	77.93	79.25	77.03	76.23	75.97	75.87	75.73	
MAX	75.71	75.70	76.45	77.11	79.65	78.99	83.08	78.58	76.41	76.18	76.02	75.90	83.08
MIN	75.56	75.55	75.70	76.01	76.37	77.41	77.90	76.44	76.08	75.87	75.79	75.64	75.55

ANNUAL MAX MOMENTARY GAGE HEIGHT 83.58 M (MSL), AT 6.00 HOURS, ON OCT 20, 1983
ZERO GAGE AT BOTTOM ELEVATION 73.64 M (MSL), RIVER BED 74.73 M (MSL)
LEFT BANK ELEVATION 95.14 M (MSL)
RIGHT BANK ELEVATION 96.80 M (MSL), DRAINAGE AREA 4047 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	**16.4**	10.8	17.6	47.2	73.8	247.1	336.1	181.0	57.7	41.6	23.0	25.0	
2	**14.4**	10.8	19.2	47.9	65.4	272.0	332.5	168.0	57.0	38.1	22.5	24.5	
3	**14.0**	10.5	19.6	44.4	58.4	232.9	291.0	267.2	56.3	34.8	22.5	21.5	
4	**14.0**	10.8	18.8	41.6	57.7	214.2	358.6	150.0	55.6	33.6	22.0	20.0	
5	**13.6**	11.7	17.2	45.8	57.0	212.0	430.2	173.0	54.9	33.0	22.0	19.6	
6	**13.6**	12.8	18.4	41.6	54.9	184.0	435.4	151.0	52.8	32.4	21.5	18.8	
7	**13.2**	13.2	22.5	36.7	86.6	162.0	374.0	133.0	52.1	31.2	21.0	18.4	
8	**13.2**	13.6	34.8	36.0	102.0	150.0	333.7	124.0	50.7	30.6	20.5	17.6	
9	**12.8**	13.6	34.8	37.4	120.0	156.0	308.8	116.4	48.6	30.0	20.0	17.2	
10	**12.8**	12.4	31.2	33.6	95.7	161.0	319.4	112.8	47.9	29.5	19.6	16.4	
11	12.4	11.7	30.6	30.6	78.0	172.0	282.7	113.7	47.2	29.0	19.6	16.4	
12	12.4	13.2	29.5	34.8	106.5	177.0	295.7	115.5	47.2	28.5	19.6	16.0	
13	12.0	11.7	31.2	42.3	118.2	168.0	298.1	112.8	45.8	28.0	19.6	16.0	
14	12.0	12.0	27.0	38.1	178.0	161.0	313.5	107.4	45.8	27.5	19.6	15.6	
15	11.7	12.8	23.5	34.8	169.0	166.0	296.9	115.5	44.4	27.5	26.0	15.2	
16	11.7	12.0	20.5	38.1	171.0	264.9	312.3	92.2	43.7	27.5	24.5	14.8	
17	11.4	11.7	18.0	49.3	168.0	155.0	283.8	89.0	43.0	27.0	22.0	14.8	
18	11.4	12.4	16.8	49.3	168.0	143.0	268.4	89.0	42.3	27.0	24.5	14.8	
19	11.4	12.0	16.0	72.4	229.6	141.0	756.0	83.6	41.6	26.5	25.0	14.4	
20	11.7	12.0	16.0	111.9	210.9	167.0	950.4	80.8	40.9	26.5	23.5	14.0	
21	12.0	11.7	18.0	93.9	253.0	187.0	563.4	77.3	40.2	26.0	29.0	14.0	
22	11.7	11.4	22.0	65.4	204.3	171.0	435.4	75.2	39.5	26.0	26.0	13.6	
23	11.7	11.1	20.0	59.8	185.0	172.0	376.4	72.4	38.8	25.5	22.5	13.6	
24	11.7	13.2	22.0	54.2	153.0	183.0	347.9	70.3	38.1	25.0	21.0	14.8	
25	11.4	10.5	24.0	56.3	146.0	174.0	306.4	68.2	37.4	24.5	22.5	19.6	
26	11.4	10.8	26.0	76.6	183.0	230.7	273.2	66.1	36.7	24.5	29.0	18.8	
27	11.1	11.1	28.0	75.9	272.0	242.3	268.4	64.0	36.0	28.5	31.2	19.2	
28	11.1	11.4	43.0	65.4	394.2	245.9	254.2	62.6	35.4	26.5	30.6	17.6	
29	10.8	15.6	60.5	66.8	330.1	247.1	231.8	61.2	34.8	25.0	28.5	16.0	
30	10.8	16.0	52.8	65.4	262.5	315.9	206.5	59.8	36.0	24.0		14.4	
31		16.0		72.4	224.1		190.0		41.6	23.5		17.2	
TOTAL	369.8	380.5	779.5	1665.9	4975.9	5875.0	11031.1	3253.0	1390.0	888.8	678.8	529.8	31818.1 CMSDAY
MEAN	12.3	12.3	26.0	53.7	160.5	195.8	355.8	108.4	44.8	28.7	23.4	17.1	86.9 CMS
MAX	16.4	16.0	60.5	111.9	394.2	315.9	950.4	267.2	57.7	41.6	31.2	25.0	950.4 CMS
MIN	10.8	10.5	16.0	30.6	54.9	141.0	190.0	59.8	34.8	23.5	19.6	13.6	10.5 CMS
RUNOFF	31.95	32.88	67.35	143.93	429.92	507.60	953.09	281.06	120.10	76.79	58.65	45.77	2749.08 MCM

MOMENTARY PEAK 1048.00 CMS, AT 83.58 M (MSL), AT 6.00 HOURS, ON OCT 20, 1983

RUNOFF YIELD 21.48 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 258.96 LITERS/SECOND/SQUARE KM

WATER YEAR 1983

MAE KLONG RIVER BASIN

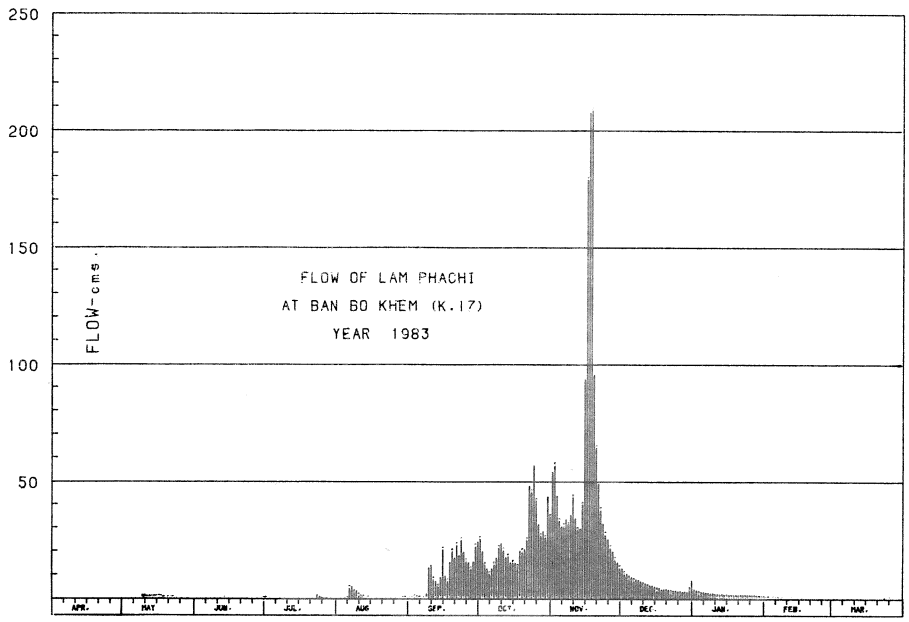
LAM PHACHI AT BAN BO KHEM, RATCHABURI (K.17)

LOCATION	LAT. 13°-32'-41" N., LONG. 99°-21'-22" E., ON LEFT BANK OPPOSITE TO THE 'SAI NGAM' FRONTIER POLICE STATION, TAMBON SUAN PHUNG, AMPHOE CHUM BUNG, RATCHABURI.
DRAINAGE AREA	1,355 SQ.KM.
TYPE OF GAGE	WATER-STAGE RECORDER.
ZERO GAGE AT BOTTOM	+0.00 M. (A.D.)
BENCH MARK	B.M.-H.D.
LOCATION	ALONG THE MEASURING LINE.
ELEVATION	+11.799 M. (A.D.)
GAGE READING FREQUENCY	RECORDING.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 24 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1966 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1966 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1966 TO DATE.
STABILITY OF CHANNEL REGIMES	STABLE.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS GOOD. STAGE-DISCHARGE RELATION DEFINED BY 156 DISCHARGE MEASUREMENTS MADE IN 1983.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	-0.03	0.06	0.11	0.13	0.03	0.15	1.83	2.60	1.20	0.55	0.18	0.07	
2	-0.03	0.07	0.10	0.10	0.03	0.16	1.56	2.69	1.12	0.53	0.18	0.07	
3	-0.03	0.05	0.10	0.08	0.05	0.25	1.34	2.36	1.05	0.49	0.17	0.07	
4	-0.03	0.03	0.09	0.08	0.10	0.22	1.19	2.10	0.99	0.46	0.17	0.06	
5	-0.03	0.02	0.08	0.06	0.15	0.18	1.11	1.99	0.95	0.43	0.16	0.05	
6	-0.03	0.03	0.06	0.06	0.67	0.15	1.19	2.03	0.91	0.42	0.15	0.05	
7	-0.04	0.06	0.06	0.05	0.66	0.16	1.35	2.09	0.88	0.39	0.14	0.05	
8	-0.05	0.08	0.07	0.04	0.54	0.35	1.44	2.05	0.85	0.37	0.13	0.04	
9	-0.05	0.29	0.09	0.03	0.51	1.20	1.67	2.14	0.82	0.36	0.13	0.03	
10	-0.04	0.29	0.10	0.01	0.38	1.28	1.71	2.37	0.79	0.35	0.13	0.03	
11	-0.04	0.23	0.10	0.00	0.29	0.94	1.62	2.10	0.76	0.33	0.13	0.02	
12	-0.05	0.24	0.11	0.00	0.25	0.82	1.45	1.98	0.73	0.33	0.12	0.01	
13	-0.05	0.24	0.11	0.03	0.20	0.73	1.51	1.96	0.70	0.33	0.11	0.01	
14	-0.06	0.22	0.10	0.03	0.17	0.94	1.34	2.29	0.68	0.31	0.11	0.00	
15	-0.06	0.25	0.13	0.03	0.15	1.64	1.39	3.34	0.66	0.30	0.10	0.00	
16	-0.06	0.28	0.12	0.02	0.12	0.98	1.33	4.38	0.63	0.29	0.10	-0.01	
17	-0.06	0.24	0.11	0.04	0.11	0.89	1.30	4.64	0.62	0.29	0.10	-0.01	
18	-0.06	0.18	0.09	0.03	0.10	1.35	1.57	4.66	0.55	0.28	0.09	-0.02	
19	-0.05	0.18	0.08	0.03	0.09	1.61	1.61	3.37	0.57	0.27	0.09	-0.02	
20	-0.05	0.16	0.06	0.03	0.09	1.44	1.60	2.83	0.56	0.27	0.09	-0.02	
21	-0.06	0.18	0.07	0.06	0.10	1.72	1.81	2.48	0.55	0.28	0.09	-0.02	
22	-0.03	0.16	0.05	0.09	0.10	1.49	2.46	2.23	0.53	0.28	0.10	0.00	
23	-0.03	0.14	0.06	0.37	0.09	1.81	2.42	2.03	0.52	0.27	0.09	0.10	
24	-0.02	0.11	0.07	0.18	0.08	1.55	2.66	1.91	0.50	0.27	0.09	0.11	
25	-0.03	0.08	0.07	0.10	0.08	1.42	2.33	1.79	0.49	0.27	0.09	0.14	
26	-0.04	0.07	0.07	0.07	0.08	1.34	2.02	1.67	0.47	0.27	0.09	0.09	
27	-0.04	0.08	0.07	0.08	0.10	1.23	1.88	1.56	0.46	0.26	0.08	0.09	
28	-0.01	0.13	0.07	0.06	0.16	1.36	1.92	1.45	0.45	0.25	0.08	0.08	
29	0.04	0.12	0.11	0.05	0.17	1.70	1.85	1.34	0.45	0.22	0.08	0.07	
30	0.06	0.10	0.16	0.04	0.16	1.74	2.35	1.27	0.64	0.21		0.05	
31		0.10		0.03	0.14		2.15		0.85	0.19		0.08	
MEAN	-0.04	0.14	0.09	0.06	0.19	1.03	1.71	2.39	0.71	0.33	0.12	0.04	
MAX	0.06	0.29	0.16	0.37	0.67	1.81	2.66	4.66	1.20	0.55	0.18	0.14	4.66
MIN	-0.06	0.02	0.05	0.00	0.03	0.15	1.11	1.27	0.45	0.19	0.08	-0.02	-0.06

ANNUAL MAX MOMENTARY GAGE HEIGHT 5.20 M (A.D), AT 17.00 HOURS, ON NOV 16, 1983
ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D), RIVER BED -0.23 M (A.D)
LEFT BANK ELEVATION 11.69 M (A.D)
RIGHT BANK ELEVATION 7.23 M (A.D), DRAINAGE AREA 1355 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.14	0.44	0.66	0.78	0.32	0.90	26.38	54.10	13.00	3.95	1.08	0.48	
2	0.14	0.48	0.60	0.60	0.32	0.96	20.08	58.06	11.72	3.73	1.08	0.48	
3	0.14	0.40	0.60	0.52	0.40	1.50	15.42	43.90	10.70	3.32	1.02	0.48	
4	0.14	0.32	0.56	0.52	0.60	1.32	12.84	34.20	9.86	3.08	1.02	0.44	
5	0.14	0.28	0.52	0.44	0.90	1.08	11.56	30.72	9.30	2.84	0.96	0.40	
6	0.14	0.32	0.44	0.44	5.41	0.90	12.84	31.96	8.74	2.76	0.90	0.40	
7	0.12	0.44	0.44	0.40	5.28	0.96	15.60	33.88	8.32	2.52	0.84	0.40	
8	0.10	0.52	0.48	0.36	3.84	2.20	17.38	32.60	7.90	2.36	0.78	0.36	
9	0.10	1.74	0.56	0.32	3.51	13.00	22.61	35.64	7.48	2.28	0.78	0.32	
10	0.12	1.74	0.60	0.24	2.44	14.36	23.53	44.30	7.06	2.20	0.78	0.32	
11	0.12	1.38	0.60	0.20	1.74	9.16	21.46	34.20	6.64	2.04	0.78	0.28	
12	0.10	1.44	0.66	0.20	1.50	7.48	17.60	30.44	6.22	2.04	0.72	0.24	
13	0.10	1.44	0.66	0.32	1.20	6.22	18.93	29.88	5.80	2.04	0.66	0.24	
14	0.08	1.32	0.60	0.32	1.02	9.16	15.42	41.13	5.54	1.88	0.66	0.20	
15	0.08	1.50	0.78	0.32	0.90	21.92	16.32	93.56	5.28	1.80	0.60	0.20	
16	0.08	1.68	0.72	0.28	0.72	9.72	15.24	180.00	4.89	1.74	0.60	0.18	
17	0.08	1.44	0.66	0.36	0.66	8.46	14.70	207.40	4.76	1.74	0.60	0.18	
18	0.08	1.08	0.56	0.32	0.60	15.60	20.31	209.60	3.95	1.68	0.56	0.16	
19	0.10	1.08	0.52	0.32	0.56	21.23	21.23	95.48	4.17	1.62	0.56	0.16	
20	0.10	0.96	0.44	0.32	0.56	17.38	21.00	65.44	4.06	1.62	0.56	0.16	
21	0.08	1.08	0.48	0.44	0.60	23.76	25.86	48.94	3.95	1.68	0.56	0.16	
22	0.14	0.96	0.40	0.56	0.60	18.48	48.08	38.91	3.73	1.68	0.60	0.20	
23	0.14	0.84	0.44	2.36	0.56	25.86	46.36	31.96	3.62	1.62	0.56	0.60	
24	0.16	0.66	0.48	1.08	0.52	19.85	56.74	28.48	3.40	1.62	0.56	0.66	
25	0.14	0.52	0.48	0.60	0.52	16.94	42.70	25.37	3.32	1.62	0.56	0.84	
26	0.12	0.48	0.48	0.48	0.52	15.42	31.64	22.61	3.16	1.62	0.56	0.56	
27	0.12	0.52	0.48	0.52	0.60	13.51	27.68	20.08	3.08	1.56	0.52	0.56	
28	0.18	0.78	0.48	0.44	0.96	15.78	28.76	17.60	3.00	1.50	0.52	0.52	
29	0.36	0.72	0.66	0.40	1.02	23.30	26.90	15.42	3.00	1.32	0.52	0.48	
30	0.44	0.60	0.96	0.36	0.96	24.22	43.50	14.19	5.02	1.26		0.40	
31		0.60		0.32	0.84		36.00		7.90	1.14		0.52	
TOTAL	4.08	27.76	17.00	15.14	40.18	360.63	774.67	1650.05	188.57	63.86	20.50	11.58	3174.02 CMSDAY
MEAN	0.14	0.90	0.57	0.49	1.30	12.02	24.99	55.00	6.08	2.06	0.71	0.37	8.67 CMS
MAX	0.44	1.74	0.96	2.36	5.41	25.86	56.74	209.60	13.00	3.95	1.08	0.84	209.60 CMS
MIN	0.08	0.28	0.40	0.20	0.32	0.90	11.56	14.19	3.00	1.14	0.52	0.16	0.08 CMS
RUNOFF	0.353	2.398	1.469	1.308	3.472	31.158	66.932	142.564	16.292	5.518	1.771	1.001	274.235 MCM

MOMENTARY PEAK 271.50 CMS, AT 5.20 M (A.D), AT 17.00 HOURS, ON NOV 16, 1983

RUNOFF YIELD 6.40 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 200.37 LITERS/SECOND/SQUARE KM

WATER YEAR 1983

MAE KLONG RIVER BASIN

HUAI MAE NAM NOI AT BAN MAE NAM NOI, KANCHANABURI (K.22A)

LOCATION — LAT. 14°-26'-44" N., LONG. 98°-48'-08" E., ON LEFT BANK ABOUT 3 KILOMETERS DOWNSTREAM FROM K.22 STATION, TAMBON THA THUNG NA, AMPHOE SAI YOK, KANCHANABURI.

DRAINAGE AREA — 321 SQ.KM.

TYPE OF GAGE — STAFF GAGE.

ZERO GAGE AT BOTTOM — +66.70 M. (M.S.L.)

BENCH MARK — B.M.-H.D.

LOCATION — NEAR THE METEOROLOGICAL STATION.

ELEVATION — +76.874 M. (M.S.L.)

GAGE READING FREQUENCY — 16-TIME DAILY READINGS AT 03.00, 06.00-18.00, 21.00 AND 24.00 HOURS.

BASIS OF MEAN DAILY GAGE HEIGHT — ARITHMETIC MEAN OF 16 READINGS.

PERIOD OF AVAILABLE GAGE RECORDS — 1969 TO DATE.

RATING OPERATION

PERIOD OF RATING — 1969 TO DATE.

RATED BY FLOAT — -

RATED BY CURRENT METER — 1969 TO DATE.

STABILITY OF CHANNEL REGIMES — FAIRLY STABLE.

OVERBANK FLOW CONDITIONS — NO OVERBANK FLOW.

GENERAL DESCRIPTION — RECORDS GOOD. STAGE-DISCHARGE RELATION DEFINED BY 90 DISCHARGE MEASUREMENTS MADE IN 1983.

GAGE HEIGHT IN METER (MSL), WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

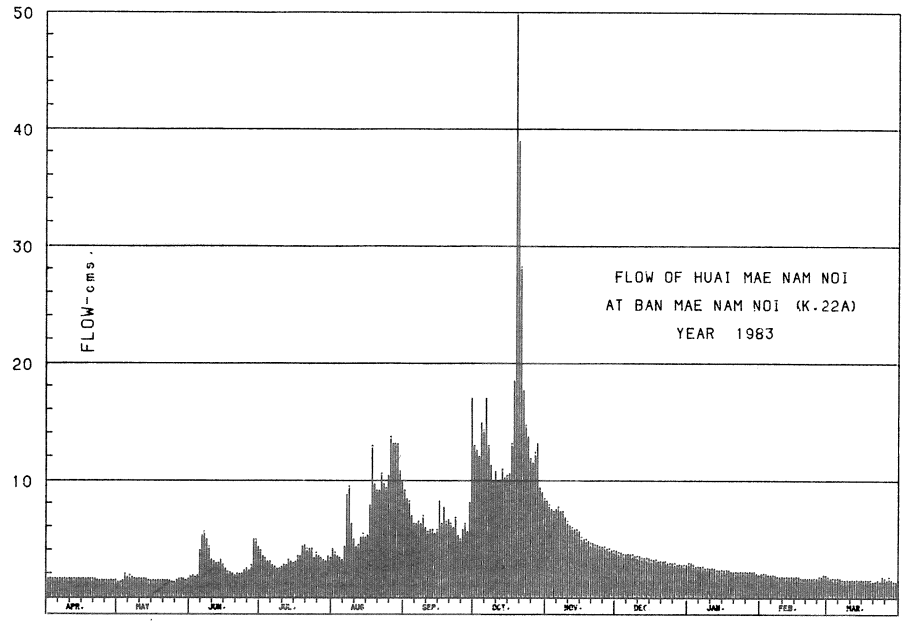
DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	67.26	67.24	67.27	67.42	67.43	67.72	67.93	67.67	67.42	67.35	67.29	67.27	
2	67.26	67.24	67.28	67.39	67.41	67.68	67.91	67.65	67.41	67.35	67.29	67.26	
3	67.26	67.25	67.27	67.38	67.39	67.67	67.88	67.63	67.41	67.34	67.29	67.26	
4	67.26	67.29	67.28	67.36	67.38	67.60	68.03	67.62	67.40	67.33	67.28	67.26	
5	67.26	67.27	67.42	67.36	67.37	67.56	68.00	67.63	67.40	67.33	67.28	67.26	
6	67.26	67.28	67.50	67.34	67.44	67.56	68.13	67.64	67.40	67.33	67.28	67.26	
7	67.26	67.27	67.52	67.33	67.70	67.57	67.93	67.62	67.40	67.33	67.28	67.25	
8	67.26	67.26	67.48	67.32	67.74	67.56	67.84	67.62	67.40	67.32	67.27	67.25	
9	67.26	67.26	67.44	67.32	67.56	67.60	67.76	67.59	67.39	67.32	67.27	67.25	
10	67.26	67.26	67.37	67.33	67.48	67.54	67.81	67.57	67.39	67.32	67.27	67.25	
11	67.26	67.26	67.36	67.34	67.44	67.52	67.76	67.55	67.39	67.32	67.27	67.25	
12	67.26	67.26	67.35	67.34	67.45	67.53	67.77	67.54	67.38	67.32	67.27	67.25	
13	67.26	67.26	67.35	67.37	67.49	67.53	67.82	67.53	67.38	67.31	67.27	67.25	
14	67.26	67.25	67.37	67.36	67.51	67.51	67.78	67.53	67.38	67.31	67.27	67.25	
15	67.26	67.25	67.34	67.35	67.49	67.53	67.79	67.52	67.38	67.31	67.27	67.25	
16	67.26	67.25	67.32	67.36	67.50	67.67	67.80	67.49	67.37	67.31	67.27	67.25	
17	67.26	67.25	67.30	67.39	67.65	67.56	67.94	67.48	67.37	67.31	67.27	67.25	
18	67.26	67.25	67.30	67.39	67.93	67.64	68.20	67.48	67.37	67.31	67.26	67.25	
19	67.26	67.25	67.29	67.44	67.75	67.57	70.64	67.47	67.36	67.30	67.26	67.25	
20	67.26	67.25	67.28	67.45	67.72	67.58	69.02	67.46	67.36	67.30	67.26	67.24	
21	67.26	67.25	67.29	67.43	67.72	67.56	68.62	67.46	67.36	67.30	67.26	67.24	
22	67.25	67.25	67.29	67.43	67.80	67.54	68.16	67.45	67.36	67.30	67.26	67.25	
23	67.25	67.25	67.29	67.43	67.75	67.59	68.02	67.45	67.35	67.30	67.26	67.24	
24	67.25	67.24	67.31	67.38	67.73	67.50	67.97	67.44	67.35	67.30	67.26	67.27	
25	67.25	67.24	67.32	67.41	67.79	67.48	67.87	67.44	67.35	67.30	67.26	67.26	
26	67.25	67.25	67.31	67.39	67.97	67.53	67.85	67.44	67.35	67.30	67.27	67.25	
27	67.25	67.26	67.34	67.38	67.94	67.56	67.90	67.43	67.34	67.30	67.27	67.27	
28	67.25	67.26	67.48	67.37	67.94	67.52	67.94	67.43	67.34	67.30	67.28	67.25	
29	67.25	67.26	67.48	67.36	67.94	67.66	67.73	67.42	67.34	67.30	67.28	67.24	
30	67.25	67.25	67.44	67.39	67.81	68.13	67.71	67.42	67.34	67.29		67.24	
31		67.26		67.38	67.76		67.68		67.34	67.28		67.25	
MEAN	67.26	67.26	67.35	67.38	67.64	67.59	68.04	67.52	67.37	67.31	67.27	67.25	
MAX	67.26	67.29	67.52	67.45	67.97	68.13	70.64	67.67	67.42	67.35	67.29	67.27	70.64
MIN	67.25	67.24	67.27	67.32	67.37	67.48	67.68	67.42	67.34	67.28	67.26	67.24	67.24

ANNUAL MAX MOMENTARY GAGE HEIGHT — 71.48 M (MSL), AT 12.00 HOURS, ON OCT 19, 1983

ZERO GAGE AT BOTTOM ELEVATION — 66.70 M (MSL), RIVER BED — 66.52 M (MSL)

LEFT BANK ELEVATION — 74.08 M (MSL)

RIGHT BANK ELEVATION — 72.19 M (MSL), DRAINAGE AREA — 321 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	1.64	1.36	1.78	4.02	4.18	9.16	12.97	8.26	4.02	2.95	2.06	1.78	
2	1.64	1.36	1.92	3.55	3.86	8.44	12.59	7.90	3.86	2.95	2.06	1.64	
3	1.64	1.50	1.78	3.40	3.55	8.26	12.04	7.54	3.86	2.80	2.06	1.64	
4	1.64	2.06	1.92	3.10	3.40	7.00	14.93	7.36	3.70	2.65	1.92	1.64	
5	1.64	1.78	4.02	3.10	3.25	6.32	14.30	7.54	3.70	2.65	1.92	1.64	
6	1.64	1.92	5.30	2.80	4.34	6.32	17.03	7.72	3.70	2.65	1.92	1.64	
7	1.64	1.78	5.64	2.65	8.80	6.49	12.97	7.36	3.70	2.65	1.92	1.50	
8	1.64	1.64	4.98	2.50	9.52	6.32	11.32	7.36	3.70	2.50	1.78	1.50	
9	1.64	1.64	4.34	2.50	6.32	7.00	9.88	6.83	3.55	2.50	1.78	1.50	
10	1.64	1.64	3.25	2.65	4.98	5.98	10.78	6.49	3.55	2.50	1.78	1.50	
11	1.64	1.64	3.10	2.80	4.34	5.64	9.88	6.15	3.55	2.50	1.78	1.50	
12	1.64	1.64	2.95	2.80	4.50	5.81	10.06	5.98	3.40	2.50	1.78	1.50	
13	1.64	1.64	2.95	3.25	5.14	5.81	10.96	5.81	3.40	2.35	1.78	1.50	
14	1.64	1.50	3.25	3.10	5.47	5.47	10.24	5.81	3.40	2.35	1.78	1.50	
15	1.64	1.50	2.80	2.95	5.14	5.81	10.42	5.64	3.40	2.35	1.78	1.50	
16	1.64	1.50	2.50	3.10	5.30	8.26	10.60	5.14	3.25	2.35	1.78	1.50	
17	1.64	1.50	2.20	3.55	7.90	6.32	13.16	4.98	3.25	2.35	1.78	1.50	
18	1.64	1.50	2.20	3.55	12.97	7.72	18.50	4.98	3.25	2.35	1.64	1.50	
19	1.64	1.50	2.06	4.34	9.70	6.49	91.50	4.82	3.10	2.20	1.64	1.50	
20	1.64	1.50	1.92	4.50	9.16	6.66	38.98	4.66	3.10	2.20	1.64	1.36	
21	1.64	1.50	2.06	4.18	9.16	6.32	28.23	4.66	3.10	2.20	1.64	1.36	
22	1.50	1.50	2.06	4.18	10.60	5.98	17.66	4.50	3.10	2.20	1.64	1.50	
23	1.50	1.50	2.06	4.18	9.70	6.83	14.72	4.50	2.95	2.20	1.64	1.36	
24	1.50	1.36	2.35	3.40	9.34	5.30	13.73	4.34	2.95	2.20	1.64	1.78	
25	1.50	1.36	2.50	3.86	10.42	4.98	11.86	4.34	2.95	2.20	1.64	1.64	
26	1.50	1.50	2.35	3.55	13.73	5.81	11.50	4.34	2.95	2.20	1.78	1.50	
27	1.50	1.64	2.80	3.40	13.16	6.32	12.40	4.18	2.80	2.20	1.78	1.78	
28	1.50	1.64	4.98	3.25	13.16	5.64	13.16	4.18	2.80	2.20	1.92	1.50	
29	1.50	1.64	4.98	3.10	13.16	8.08	9.34	4.02	2.80	2.20	1.92	1.36	
30	1.50	1.50	4.34	3.55	10.78	17.03	8.98	4.02	2.80	2.06		1.36	
31		1.64		3.40	9.88		8.44		2.80	1.92		1.50	
TOTAL	47.94	48.88	91.34	104.26	244.91	207.57	503.13	171.41	102.44	74.08	52.18	47.48	1695.62 CMSDAY
MEAN	1.60	1.58	3.04	3.36	7.90	6.92	16.23	5.71	3.30	2.39	1.80	1.53	4.63 CMS
MAX	1.64	2.06	5.64	4.50	13.73	17.03	91.50	8.26	4.02	2.95	2.06	1.78	91.50 CMS
MIN	1.50	1.36	1.78	2.50	3.25	4.98	8.44	4.02	2.80	1.92	1.64	1.36	1.36 CMS
RUNOFF	4.142	4.223	7.892	9.008	21.160	17.934	43.470	14.810	8.851	6.401	4.508	4.102	146.502 MCM

MOMENTARY PEAK 122.26 CMS, AT 71.48 M (MSL), AT 12.00 HOURS, ON OCT 19, 1983

RUNOFF YIELD 14.43 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 380.87 LITERS/SECOND/SQUARE KM

WATER YEAR 1983

MAE KLONG RIVER BASIN

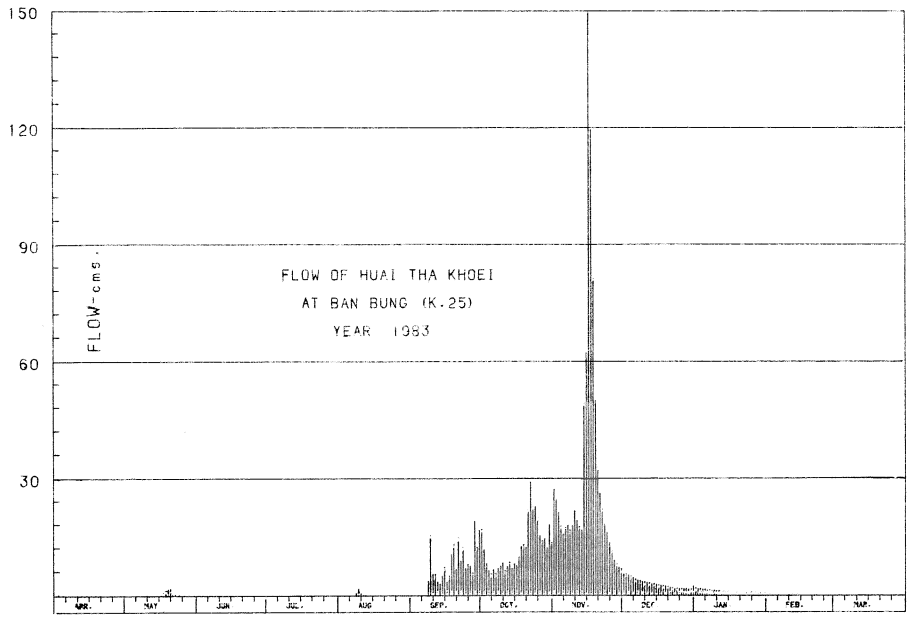
HUAI THA KHAEI AT BAN BUNG, RATCHABURI (K.25)

LOCATION	LAT. 13°-25'-42" N., LONG. 99°-24'-25" E., ON LEFT BANK AT BAN BUNG, TAMBON SUAN PHUNG, AMPHOE SUAN PHUNG, RATCHABURI.
DRAINAGE AREA	508 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM	+0.00 M.(A.D.)
BENCH MARK	B.M.-H.D.
LOCATION	ON LEFT BANK NEAR THE ABUTMENT OF THE BRIDGE.
ELEVATION	+8.00 M.(A.D.)
GAGE READING FREQUENCY	16-TIME DAILY READINGS AT 03.00, 06.00-18.00, 21.00 AND 24.00 HOURS.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 16 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1968 - 1970, 1982 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1982 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1982 TO DATE.
STABILITY OF CHANNEL REGIMES	STABLE.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS GOOD. STAGE-DISCHARGE RELATION DEFINED BY 88 DISCHARGE MEASUREMENTS MADE IN 1983.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	1.34	1.30	1.32	1.24	1.23	1.21	3.02	3.42	2.25	1.69	1.42	1.35	
2	1.34	1.30	1.32	1.24	1.22	1.21	2.76	3.36	2.25	1.65	1.41	1.35	
3	1.34	1.30	1.31	1.24	1.22	1.22	2.51	3.21	2.23	1.64	1.41	1.34	
4	1.34	1.30	1.31	1.24	1.22	1.22	2.34	3.06	2.20	1.62	1.40	1.34	
5	1.34	1.30	1.31	1.23	1.22	1.21	2.26	2.96	2.17	1.60	1.40	1.34	
6	1.34	1.30	1.30	1.23	1.26	1.21	2.36	3.04	2.12	1.59	1.40	1.34	
7	1.34	1.30	1.30	1.23	1.32	1.25	2.26	3.07	2.09	1.57	1.39	1.34	
8	1.34	1.30	1.30	1.23	1.49	2.05	2.39	3.01	2.06	1.56	1.40	1.33	
9	1.34	1.30	1.29	1.23	1.67	2.94	2.44	3.07	2.03	1.55	1.35	1.33	
10	1.34	1.35	1.30	1.23	1.41	2.25	2.53	3.26	2.00	1.54	1.35	1.33	
11	1.34	1.35	1.29	1.23	1.38	2.24	2.34	3.13	1.98	1.53	1.39	1.33	
12	1.34	1.36	1.29	1.23	1.33	2.01	2.44	3.05	1.95	1.52	1.39	1.33	
13	1.34	1.36	1.29	1.23	1.32	1.89	2.55	3.01	1.91	1.51	1.38	1.32	
14	1.34	1.35	1.29	1.22	1.29	2.20	2.39	3.86	1.90	1.50	1.38	1.32	
15	1.34	1.34	1.29	1.22	1.28	2.42	2.50	4.04	1.88	1.49	1.38	1.32	
16	1.34	1.36	1.30	1.23	1.25	1.99	2.47	5.13	1.85	1.48	1.38	1.32	
17	1.34	1.44	1.30	1.23	1.25	2.20	2.65	4.57	1.84	1.48	1.38	1.31	
18	1.34	1.54	1.30	1.21	1.25	2.70	2.80	4.25	1.81	1.46	1.37	1.31	
19	1.33	1.64	1.27	1.23	1.23	2.83	2.82	3.87	1.80	1.45	1.37	1.31	
20	1.33	1.66	1.26	1.23	1.23	2.37	2.79	3.57	1.76	1.45	1.37	1.31	
21	1.31	1.40	1.26	1.23	1.23	2.91	3.23	3.39	1.73	1.45	1.37	1.30	
22	1.30	1.36	1.25	1.23	1.23	2.58	3.49	3.24	1.71	1.44	1.37	1.30	
23	1.30	1.36	1.25	1.25	1.23	2.79	3.27	3.09	1.66	1.43	1.37	1.30	
24	1.30	1.35	1.25	1.21	1.22	2.39	3.27	3.02	1.67	1.45	1.36	1.31	
25	1.30	1.33	1.23	1.27	1.22	2.49	3.16	2.85	1.66	1.45	1.36	1.33	
26	1.29	1.33	1.24	1.24	1.21	2.45	2.94	2.74	1.65	1.44	1.36	1.32	
27	1.29	1.33	1.24	1.24	1.21	2.27	2.87	2.60	1.64	1.44	1.35	1.32	
28	1.29	1.33	1.24	1.23	1.21	3.12	2.90	2.51	1.63	1.43	1.35	1.32	
29	1.31	1.33	1.24	1.22	1.21	2.79	2.78	2.42	1.63	1.43	1.35	1.32	
30	1.30	1.33	1.24	1.22	1.21	3.01	3.08	2.38	1.64	1.43		1.31	
31		1.33		1.21	1.21		2.85		1.79	1.43		1.30	
MEAN	1.33	1.36	1.28	1.23	1.27	2.18	2.72	3.27	1.89	1.51	1.38	1.32	
MAX	1.34	1.66	1.32	1.27	1.67	3.12	3.49	5.13	2.25	1.69	1.42	1.35	5.13
MIN	1.29	1.30	1.23	1.21	1.21	1.21	2.26	2.38	1.63	1.43	1.35	1.30	1.21

ANNUAL MAX MOMENTARY GAGE HEIGHT 5.41 M (A.D), AT 1.00 HOURS, ON NOV 16, 1983
ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D), RIVER BED 1.15 M (A.D)
LEFT BANK ELEVATION 7.51 M (A.D)
RIGHT BANK ELEVATION 7.64 M (A.D), DRAINAGE AREA 508 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.26	0.10	0.18	0.07	0.07	0.06	16.90	27.20	5.50	1.95	0.60	0.30	
2	0.26	0.10	0.18	0.07	0.06	0.06	11.70	25.30	5.50	1.75	0.55	0.30	
3	0.26	0.10	0.14	0.07	0.06	0.06	8.10	21.25	5.30	1.70	0.55	0.26	
4	0.26	0.10	0.14	0.07	0.06	0.06	6.40	17.70	5.00	1.60	0.50	0.26	
5	0.26	0.10	0.14	0.07	0.06	0.06	5.60	15.70	4.70	1.50	0.50	0.26	
6	0.26	0.10	0.10	0.07	0.08	0.06	6.60	17.30	4.20	1.45	0.50	0.26	
7	0.26	0.10	0.10	0.07	0.18	0.08	5.60	17.90	3.95	1.35	0.46	0.26	
8	0.26	0.10	0.10	0.07	0.95	3.75	6.90	16.70	3.80	1.30	0.50	0.22	
9	0.26	0.10	0.10	0.07	1.85	15.30	7.40	17.90	3.65	1.25	0.30	0.22	
10	0.26	0.30	0.10	0.07	0.55	5.50	8.30	22.50	3.50	1.20	0.30	0.22	
11	0.26	0.30	0.10	0.07	0.42	5.40	6.40	19.25	3.40	1.15	0.46	0.22	
12	0.26	0.34	0.10	0.07	0.22	3.55	7.40	17.50	3.25	1.10	0.46	0.22	
13	0.26	0.34	0.10	0.07	0.18	2.95	8.50	16.70	3.05	1.05	0.42	0.18	
14	0.26	0.30	0.10	0.06	0.10	5.00	6.90	49.20	3.00	1.00	0.42	0.18	
15	0.26	0.26	0.10	0.06	0.09	7.20	8.00	62.20	2.90	0.95	0.42	0.18	
16	0.26	0.34	0.10	0.07	0.08	3.45	7.70	243.95	2.75	0.90	0.42	0.18	
17	0.26	0.70	0.10	0.07	0.08	5.00	9.75	119.45	2.70	0.90	0.42	0.14	
18	0.26	1.20	0.10	0.06	0.08	10.50	12.50	81.25	2.55	0.80	0.38	0.14	
19	0.22	1.70	0.09	0.07	0.07	13.10	12.90	49.90	2.50	0.75	0.38	0.14	
20	0.22	1.80	0.08	0.07	0.07	6.70	12.30	32.80	2.30	0.75	0.38	0.14	
21	0.14	0.50	0.08	0.07	0.07	14.70	21.75	26.20	2.15	0.75	0.38	0.10	
22	0.10	0.34	0.08	0.07	0.07	8.80	29.65	22.00	2.05	0.70	0.38	0.10	
23	0.10	0.34	0.08	0.08	0.07	12.30	22.75	18.30	1.80	0.65	0.38	0.10	
24	0.10	0.30	0.08	0.06	0.06	6.90	22.75	16.90	1.85	0.75	0.34	0.14	
25	0.10	0.22	0.07	0.09	0.06	7.90	20.00	13.50	1.80	0.75	0.34	0.22	
26	0.10	0.22	0.07	0.07	0.06	7.50	15.30	11.30	1.75	0.70	0.34	0.18	
27	0.10	0.22	0.07	0.07	0.06	5.70	13.90	9.00	1.70	0.70	0.30	0.18	
28	0.10	0.22	0.07	0.07	0.06	19.00	14.50	8.10	1.65	0.65	0.30	0.18	
29	0.14	0.22	0.07	0.06	0.06	12.30	12.10	7.20	1.65	0.65	0.30	0.18	
30	0.10	0.22	0.07	0.06	0.06	16.70	18.10	6.80	1.70	0.65		0.14	
31		0.22		0.06	0.06		13.50		2.45	0.65		0.10	
TOTAL	6.20	11.50	2.99	2.13	6.00	199.64	380.15	1030.95	94.05	32.00	11.98	5.90	1783.49 CMSDAY
MEAN	0.21	0.37	0.10	0.07	0.19	6.65	12.26	34.37	3.03	1.03	0.41	0.19	4.87 CMS
MAX	0.26	1.80	0.18	0.09	1.85	19.00	29.65	243.95	5.50	1.95	0.60	0.30	243.95 CMS
MIN	0.10	0.10	0.07	0.06	0.06	0.06	5.60	6.80	1.65	0.65	0.30	0.10	0.06 CMS
RUNOFF	0.536	0.994	0.258	0.184	0.518	17.249	32.845	89.074	8.126	2.765	1.035	0.510	154.094 MCM

MOMENTARY PEAK 351.90 CMS, AT 5.41 M (A.D), AT 1.00 HOURS, ON NOV 16, 1983

RUNOFF YIELD 9.59 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 692.72 LITERS/SECOND/SQUARE KM

WATER YEAR 1983

MAE KLONG RIVER BASIN

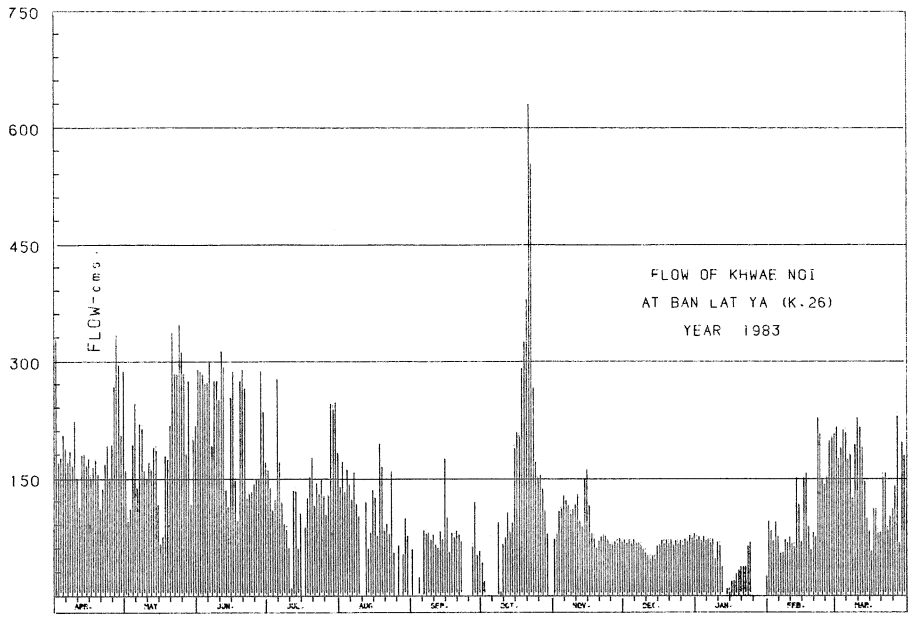
KHWAE YAI RIVER AT BAN LAT YA, KANCHANABURI (K.26)

LOCATION	LAT. 14°-05'-36" N., LONG. 99°-25'-08" E., ON LEFT BANK ABOUT 400 METERS DOWNSTREAM FROM WAT LAT YA, AT BAN LAT YA, TAMBON LAT YA, AMPHOE MUANG, KANCHANABURI.
DRAINAGE AREA	14,479 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM	+0.00 M.(A.D.)
BENCH MARK	B.M.-H.D.
LOCATION	ON LEFT BANK ABOUT 15 METERS FROM THE TOP OF STAFF GAGE.
ELEVATION	+13.922 M.(A.D.)
GAGE READING FREQUENCY	5-TIME DAILY READINGS AT 06.00, 09.00, 12.00, 15.00 AND 18.00 HOURS.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 5 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1968 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1981 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1981 TO DATE.
STABILITY OF CHANNEL REGIMES	FAIRLY STABLE.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS POOR. STAGE-DISCHARGE RELATION DEFINED BY 11 DISCHARGE MEASUREMENTS MADE IN 1983.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	3.50	2.25	3.26	2.29	2.07	1.23	1.09	1.36	1.35	1.41	1.63	2.74	
2	2.37	1.67	3.22	2.06	2.38	0.62	1.03	1.50	1.35	1.40	1.54	2.38	
3	2.39	1.80	3.23	1.82	2.02	0.90	0.66	1.77	1.35	1.39	1.33	2.52	
4	2.67	2.56	3.11	1.92	2.29	1.04	0.77	1.85	1.35	1.40	1.66	2.68	
5	2.49	2.93	3.15	3.18	2.10	0.95	0.89	1.97	1.35	1.39	1.40	2.69	
6	2.38	2.09	3.31	2.34	1.96	1.50	0.77	1.96	1.35	1.36	1.19	2.37	
7	2.46	2.74	2.55	1.92	2.23	1.51	0.92	1.85	1.30	1.36	1.15	2.45	
8	2.34	2.73	3.14	1.59	1.90	1.46	1.61	1.78	1.30	1.36	1.40	1.94	
9	2.77	2.25	3.17	1.56	1.70	1.41	1.01	1.80	1.20	1.10	1.30	2.56	
10	2.20	2.20	2.96	1.22	0.87	1.43	1.28	1.90	1.20	1.32	1.44	2.80	
11	1.83	2.34	3.42	1.02	0.96	1.33	1.44	1.99	1.10	1.31	1.29	2.74	
12	2.45	2.29	3.26	2.03	1.92	1.22	1.75	1.67	1.10	1.07	1.29	2.50	
13	2.43	2.50	2.07	2.06	1.21	1.53	1.51	1.55	1.10	0.99	2.17	2.16	
14	2.35	2.51	1.83	1.21	1.51	1.36	1.61	2.19	1.10	1.01	1.90	1.67	
15	2.38	1.86	3.01	1.78	2.04	2.41	2.52	2.26	1.25	1.01	1.32	1.54	
16	2.21	1.33	3.22	1.00	1.99	1.68	2.66	1.88	1.33	1.03	2.20	1.17	
17	2.29	1.40	2.17	1.57	1.41	1.20	2.65	1.45	1.34	1.04	2.22	1.84	
18	2.40	2.44	1.63	1.94	2.57	1.46	3.25	1.43	1.34	1.05	1.59	1.81	
19	2.21	2.37	3.16	2.21	2.29	1.44	3.50	1.22	1.35	1.07	1.19	1.51	
20	1.85	2.76	3.24	2.39	1.53	1.49	3.81	1.39	1.34	1.07	1.51	1.47	
21	2.05	3.55	3.10	1.88	1.59	1.49	5.16	1.40	1.35	1.08	1.39	2.21	
22	2.36	3.23	1.94	2.11	1.49	1.32	4.76	1.49	1.31	1.07	2.82	2.22	
23	2.52	3.20	2.03	2.03	2.24	0.83	3.10	1.41	1.33	1.30	2.64	1.54	
24	2.18	3.64	2.02	2.15	1.19	0.73	2.34	1.42	1.34	1.31	2.20	1.70	
25	2.53	3.39	2.14	2.01	0.96	0.97	2.21	1.28	1.34	0.52	2.10	1.85	
26	3.11	3.23	2.15	1.72	1.29	0.49	2.20	1.33	1.32	0.50	2.21	2.08	
27	3.53	2.43	2.20	2.01	0.65	1.28	2.09	1.32	1.36	0.73	2.57	2.84	
28	3.31	3.16	3.23	2.93	1.15	1.89	1.78	1.35	1.37	0.78	2.64	1.30	
29	2.63	1.86	2.88	2.91	1.67	1.15	1.50	1.37	1.42	0.82	2.64	2.59	
30	3.25	2.61	2.34	2.94	1.47	1.17	0.60	1.37	1.43	0.91		2.41	
31		2.72		2.47	0.97		0.52		1.45	1.05		1.79	
MEAN	2.51	2.52	2.74	2.01	1.67	1.28	1.97	1.62	1.31	1.10	1.79	2.13	
MAX	3.53	3.64	3.42	3.18	2.57	2.41	5.16	2.26	1.45	1.41	2.82	2.84	5.16
MIN	1.83	1.33	1.63	1.00	0.65	0.49	0.52	1.22	1.10	0.50	1.15	1.17	0.49

ANNUAL MAX MOMENTARY GAGE HEIGHT 5.75 M (A.D), AT 18.00 HOURS, ON OCT 21, 1983
ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D), RIVER BED -0.45 M (A.D)
LEFT BANK ELEVATION 13.98 M (A.D)
RIGHT BANK ELEVATION 6.35 M (A.D), DRAINAGE AREA 14479 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	329.00	160.58	293.00	165.32	139.28	62.40	47.30	72.80	72.00	76.80	95.70	220.20	
2	174.78	99.30	287.00	138.10	175.97	1.31	19.10	84.00	72.00	76.00	87.60	175.97	
3	177.15	111.00	288.50	113.00	133.37	1.82	1.38	108.30	72.00	75.20	70.40	192.53	
4	211.10	197.27	271.40	123.00	165.32	23.80	1.58	116.00	72.00	76.00	98.40	212.40	
5	188.98	246.20	277.00	281.20	142.83	1.91	1.80	128.00	72.00	75.20	76.00	213.70	
6	175.97	141.65	300.50	171.23	127.00	84.00	1.58	127.00	72.00	72.80	59.20	174.78	
7	185.43	220.20	196.08	123.00	158.22	84.90	1.85	116.00	68.00	72.80	56.00	184.25	
8	171.23	218.90	275.60	92.10	121.00	80.80	93.90	109.20	68.00	72.80	76.00	125.00	
9	224.10	160.58	279.80	89.40	102.00	76.80	9.70	111.00	60.00	52.00	68.00	197.27	
10	154.67	154.67	250.40	61.60	1.76	78.40	66.40	121.00	60.00	69.60	79.20	228.00	
11	114.00	171.23	317.00	14.40	1.93	70.40	79.20	130.00	52.00	68.80	67.20	220.20	
12	184.25	165.32	293.00	134.55	123.00	61.60	106.50	99.30	52.00	37.90	67.20	190.17	
13	181.88	190.17	139.28	138.10	60.80	86.70	84.90	88.50	52.00	1.98	151.12	149.93	
14	172.42	191.35	114.00	60.80	84.90	72.80	93.90	153.48	52.00	9.70	121.00	99.30	
15	175.97	117.00	257.40	109.20	135.73	179.52	192.53	161.77	64.00	9.70	69.60	87.60	
16	155.85	70.40	287.00	2.00	130.00	100.20	209.80	119.00	70.40	19.10	154.67	57.60	
17	165.32	76.00	151.12	90.30	76.80	60.00	208.50	80.00	71.20	23.80	157.03	115.00	
18	178.33	183.07	95.70	125.00	198.45	80.80	291.50	78.40	71.20	28.50	92.10	112.00	
19	155.85	174.78	278.40	155.85	165.32	79.20	329.00	61.60	72.00	37.90	59.20	84.90	
20	116.00	222.80	290.00	177.15	86.70	83.20	379.70	75.20	71.20	37.90	84.90	81.60	
21	136.92	337.00	270.00	119.00	92.10	83.20	634.00	76.00	72.00	42.60	75.20	155.85	
22	173.60	288.50	125.00	144.02	83.20	69.60	554.00	83.20	68.80	37.90	230.80	157.03	
23	192.53	284.00	134.55	134.55	159.40	1.69	270.00	76.80	70.40	68.00	207.20	87.60	
24	152.30	351.40	133.37	148.75	59.20	1.51	171.23	77.60	71.20	68.80	154.67	102.00	
25	193.72	312.50	147.57	132.18	1.93	1.95	155.85	66.40	71.20	1.13	142.83	116.00	
26	271.40	288.50	148.75	103.80	67.20	1.07	154.67	70.40	69.60	1.09	155.85	140.47	
27	333.80	181.88	154.67	132.18	1.36	66.40	141.65	69.60	72.80	1.51	198.45	233.60	
28	300.50	278.40	288.50	246.20	56.00	120.00	109.20	72.00	73.60	1.60	207.20	68.00	
29	205.90	117.00	239.20	243.40	99.30	56.00	84.00	73.60	77.60	1.67	207.20	200.82	
30	291.50	203.30	171.23	247.60	81.60	57.60	1.27	73.60	78.40	1.84		179.52	
31		217.60		186.62	1.95		1.13		80.00	28.50		110.10	
TOTAL	5844.45	6132.55	6755.02	4203.60	3033.62	1829.58	4497.12	2879.75	2121.60	1249.12	3369.92	4673.39	46589.73 CMSDAY
MEAN	194.82	197.82	225.17	135.60	97.86	60.99	145.07	95.99	68.44	40.29	116.20	150.75	127.29 CMS
MAX	333.80	351.40	317.00	281.20	198.45	179.52	634.00	161.77	80.00	76.80	230.80	233.60	634.00 CMS
MIN	114.00	70.40	95.70	2.00	1.36	1.07	1.13	61.60	52.00	1.09	56.00	57.60	1.07 CMS
RUNOFF	504.961	529.852	583.634	363.191	262.105	158.076	388.551	248.810	183.306	107.924	291.161	403.781	4025.353 MCM

MOMENTARY PEAK 757.50 CMS, AT 5.75 M (A.D), AT 18.00 HOURS, ON OCT 21, 1983

RUNOFF YIELD 8.79 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 52.32 LITERS/SECOND/SQUARE KM

WATER YEAR 1983

MAE KLONG RIVER BASIN

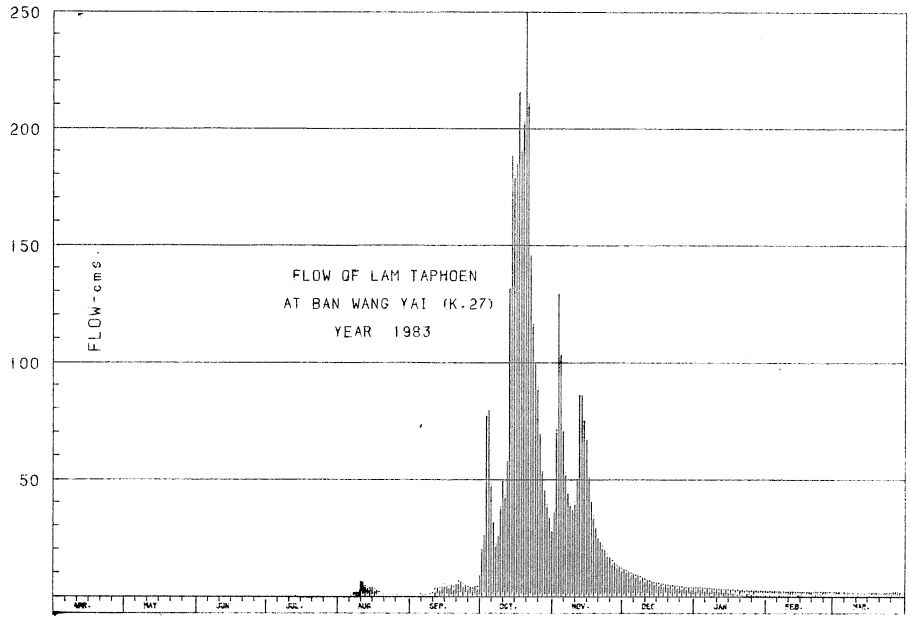
LAM TAPHOEN AT BAN WANG YAI, KANCHANABURI (K.27)

LOCATION	LAT. 14°-20'-14" N., LONG. 99°-29'-22" E., ON LEFT BANK ABOUT 3 KILOMETERS UPSTREAM FROM BAN LAT YA, AMPHOE BO PHLOI, KANCHANABURI.
DRAINAGE AREA	1,921 SQ.KM.
TYPE OF GAGE	WATER-STAGE RECORDER.
ZERO GAGE AT BOTTOM	+0.00 M.(A.D.)
BENCH MARK	B.M.-H.D.
LOCATION	IN THE VICINITY OF METEOROLOGICAL STATION.
ELEVATION	+6.250 M.(A.D.)
GAGE READING FREQUENCY	RECORDING.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 24 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1968 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1968 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1968 TO DATE.
STABILITY OF CHANNEL REGIMES	RATHER UNSTABLE.
OVERBANK FLOW CONDITIONS	OVERBANK FLOW STARTS AT ELEVATION +6.80 M.(A.D.) AND IS INCLUDED.
GENERAL DESCRIPTION	RECORDS FAIR. STAGE-DISCHARGE RELATION DEFINED BY 36 DISCHARGE MEASUREMENTS MADE IN 1983.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.90	0.75	0.73	0.71	0.75	1.12	3.92	4.56	3.36	2.26	1.78	1.58	
2	0.76	0.76	0.75	0.70	0.77	1.08	4.24	5.32	3.31	2.28	1.78	1.58	
3	0.75	0.76	0.76	0.70	0.78	1.12	5.44	6.10	3.24	2.27	1.77	1.55	
4	0.75	0.75	0.77	0.70	0.77	1.27	5.46	5.81	3.20	2.26	1.77	1.53	
5	0.75	0.73	0.75	0.70	0.78	1.24	4.88	5.31	3.16	2.22	1.75	1.50	
6	0.76	0.74	0.77	0.70	0.98	1.19	4.42	4.99	3.11	2.20	1.72	1.49	
7	0.76	0.77	0.77	0.70	1.38	1.20	4.04	4.78	3.07	2.18	1.70	1.48	
8	0.75	0.77	0.71	0.68	1.47	1.22	4.19	4.67	3.02	2.15	1.69	1.48	
9	0.74	0.76	0.71	0.68	1.49	1.34	4.63	4.59	2.95	2.13	1.69	1.47	
10	0.74	0.75	0.71	0.69	2.72	1.49	4.91	4.69	2.89	2.11	1.69	1.47	
11	0.73	0.87	0.71	0.72	2.71	2.09	4.76	4.93	2.83	2.11	1.67	1.45	
12	0.73	0.78	0.71	0.75	2.41	2.19	5.09	5.58	2.77	2.08	1.67	1.45	
13	0.73	0.72	0.69	0.96	2.14	2.20	6.13	5.56	2.73	2.05	1.66	1.43	
14	0.73	0.72	0.69	0.91	2.23	2.33	6.54	5.41	2.69	2.05	1.65	1.41	
15	0.73	0.73	0.69	0.79	2.32	2.56	6.49	5.25	2.65	2.01	1.64	1.40	
16	0.73	0.73	0.70	0.75	2.14	2.36	6.52	4.94	2.62	1.99	1.64	1.39	
17	0.72	0.72	0.71	0.72	1.88	2.43	6.69	4.69	2.59	1.98	1.61	1.38	
18	0.72	0.71	0.71	0.72	1.68	2.48	6.55	4.52	2.56	1.97	1.59	1.37	
19	0.72	0.72	0.69	0.72	1.53	2.36	6.62	4.36	2.53	1.94	1.60	1.37	
20	0.71	0.72	0.68	0.72	1.43	2.53	7.04	4.22	2.49	1.92	1.60	1.36	
21	0.71	0.72	0.68	0.86	1.35	2.77	6.66	4.08	2.47	1.92	1.61	1.33	
22	0.71	0.71	0.68	0.94	1.30	2.72	6.25	4.00	2.44	1.88	1.66	1.34	
23	0.74	0.72	0.68	0.80	1.24	2.58	5.96	3.91	2.41	1.87	1.67	1.35	
24	0.75	0.71	0.69	0.81	1.21	2.47	5.75	3.82	2.40	1.87	1.64	1.37	
25	0.74	0.72	0.69	0.84	1.18	2.35	5.61	3.72	2.39	1.88	1.62	1.41	
26	0.74	0.71	0.68	0.79	1.16	2.27	5.29	3.64	2.35	1.87	1.59	1.52	
27	0.74	0.72	0.67	0.77	1.13	2.20	5.00	3.57	2.30	1.83	1.62	1.51	
28	0.74	0.72	0.68	0.76	1.11	2.35	4.81	3.50	2.29	1.82	1.66	1.45	
29	0.74	0.72	0.69	0.76	1.09	2.36	4.66	3.45	2.28	1.81	1.61	1.41	
30	0.74	0.72	0.76	0.75	1.08	3.05	4.49	3.40	2.27	1.80		1.41	
31		0.73		0.75	1.09		4.36		2.26	1.79		1.39	
MEAN	0.74	0.74	0.71	0.76	1.46	2.03	5.40	4.58	2.70	2.02	1.67	1.44	
MAX	0.90	0.87	0.77	0.96	2.72	3.05	7.04	6.10	3.36	2.28	1.78	1.58	7.04
MIN	0.71	0.71	0.67	0.68	0.75	1.08	3.92	3.40	2.26	1.79	1.59	1.33	0.67

ANNUAL MAX MOMENTARY GAGE HEIGHT 7.25 M (A.D), AT 10.00 HOURS, ON OCT 10, 1983
ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D), RIVER BED -0.43 M (A.D)
LEFT BANK ELEVATION 6.79 M (A.D)
RIGHT BANK ELEVATION 7.59 M (A.D), DRAINAGE AREA 1921 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.35	0.10	0.08	0.06	0.10	0.85	20.18	35.98	11.96	4.04	2.50	2.00	
2	0.11	0.11	0.10	0.05	0.12	0.75	26.20	71.28	11.41	4.12	2.50	2.00	
3	0.10	0.11	0.11	0.05	0.13	0.85	78.48	129.50	10.70	4.08	2.48	1.92	
4	0.10	0.10	0.12	0.05	0.12	1.23	79.72	104.30	10.30	4.04	2.48	1.88	
5	0.10	0.08	0.10	0.05	0.13	1.15	48.16	70.69	9.94	3.88	2.43	1.80	
6	0.11	0.09	0.12	0.05	0.51	1.03	31.68	52.96	9.49	3.80	2.35	1.78	
7	0.11	0.12	0.12	0.05	1.50	1.05	22.54	44.04	9.16	3.72	2.30	1.75	
8	0.10	0.12	0.06	0.04	1.73	1.10	25.78	39.89	8.76	3.60	2.28	1.75	
9	0.09	0.11	0.06	0.04	1.78	1.40	38.41	36.97	8.20	3.52	2.28	1.73	
10	0.09	0.10	0.06	0.05	6.54	1.78	49.44	40.63	7.73	3.44	2.28	1.73	
11	0.08	0.29	0.06	0.07	6.47	3.37	43.28	50.32	7.31	3.44	2.23	1.68	
12	0.08	0.13	0.06	0.10	4.75	3.76	57.90	87.40	6.89	3.34	2.23	1.68	
13	0.08	0.07	0.05	0.47	3.56	3.80	132.50	86.10	6.61	3.25	2.20	1.63	
14	0.08	0.07	0.05	0.37	3.92	4.35	188.50	76.62	6.34	3.25	2.18	1.58	
15	0.08	0.08	0.05	0.14	4.30	5.56	179.89	67.15	6.10	3.13	2.15	1.55	
16	0.08	0.08	0.05	0.10	3.56	4.50	185.00	50.76	5.92	3.07	2.15	1.52	
17	0.07	0.07	0.06	0.07	2.75	4.85	216.55	40.63	5.74	3.04	2.08	1.50	
18	0.07	0.06	0.06	0.07	2.25	5.10	190.25	34.66	5.56	3.01	2.03	1.48	
19	0.07	0.07	0.05	0.07	1.88	4.50	202.90	29.26	5.38	2.92	2.05	1.48	
20	0.06	0.07	0.04	0.07	1.63	5.38	310.60	26.10	5.15	2.86	2.05	1.45	
21	0.06	0.07	0.04	0.27	1.43	6.89	210.70	23.38	5.05	2.86	2.08	1.38	
22	0.06	0.06	0.04	0.43	1.30	6.54	145.75	21.70	4.90	2.75	2.20	1.40	
23	0.09	0.07	0.04	0.15	1.15	5.68	116.42	19.99	4.75	2.73	2.23	1.43	
24	0.10	0.06	0.05	0.17	1.08	5.05	99.75	18.36	4.70	2.73	2.15	1.48	
25	0.09	0.07	0.05	0.23	1.00	4.45	89.43	16.72	4.65	2.75	2.10	1.58	
26	0.09	0.06	0.04	0.14	0.95	4.08	69.51	15.56	4.45	2.73	2.03	1.85	
27	0.09	0.07	0.04	0.12	0.88	3.80	53.40	14.58	4.20	2.63	2.10	1.83	
28	0.09	0.07	0.04	0.11	0.83	4.45	45.22	13.60	4.16	2.60	2.20	1.68	
29	0.09	0.07	0.05	0.11	0.78	4.50	39.52	13.00	4.12	2.57	2.08	1.58	
30	0.09	0.07	0.11	0.10	0.75	9.00	33.71	12.40	4.08	2.55		1.58	
31		0.08		0.10	0.78		29.26		4.04	2.52		1.52	
TOTAL	2.86	2.78	1.96	3.95	58.66	110.80	3060.63	1344.53	207.75	98.97	64.40	51.20	5008.49 CMSDAY
MEAN	0.10	0.09	0.07	0.13	1.89	3.69	98.73	44.82	6.70	3.19	2.22	1.65	13.68 CMS
MAX	0.35	0.29	0.12	0.47	6.54	9.00	310.60	129.50	11.96	4.12	2.50	2.00	310.60 CMS
MIN	0.06	0.06	0.04	0.04	0.10	0.75	20.18	12.40	4.04	2.52	2.03	1.38	0.04 CMS
RUNOFF	0.247	0.240	0.169	0.341	5.068	9.573	264.438	116.167	17.950	8.551	5.564	4.424	432.734 MCM

MOMENTARY PEAK 401.50 CMS, AT 7.25 M (A.D), AT 10.00 HOURS, ON OCT 10, 1983

RUNOFF YIELD 7.12 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 209.01 LITERS/SECOND/SQUARE KM

WATER YEAR 1983

MAE KLONG RIVER BASIN

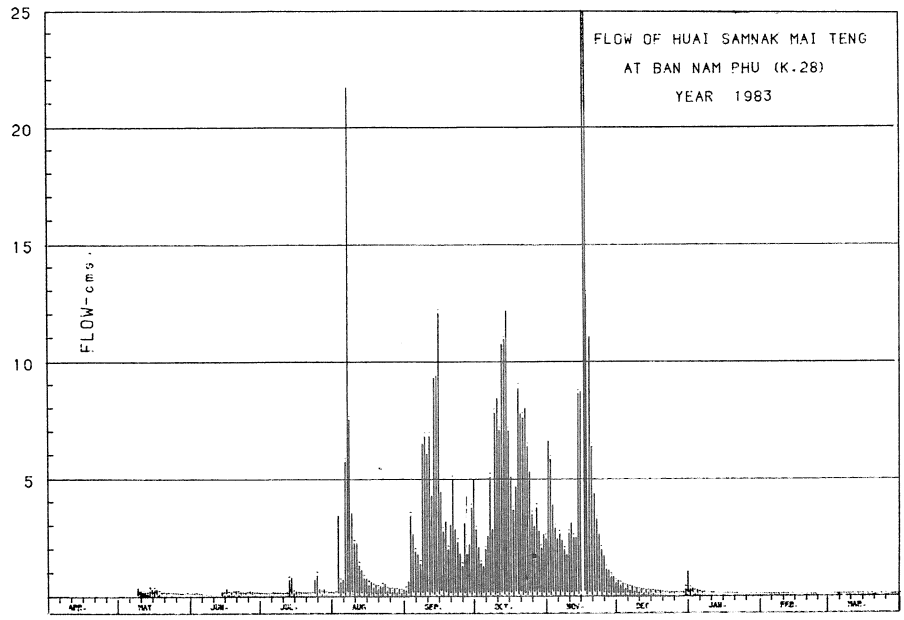
HUAI SAMNAK MAI TENG AT BAN NAM PHU, RATCHABURI (K.28)

LOCATION	LAT. 13°-30'-23" N., LONG. 99°-36'-04" E., ON LEFT BANK AT BAN NAM PHU, AMPHOE PAK THO, RATCHABURI.
DRAINAGE AREA	183 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM	+0.00 M. (A.D.)
BENCH MARK	B.M.-H.D.
LOCATION	ON LEFT BANK NEAR THE GAGE SITE.
ELEVATION	+6.189 M. (A.D.)
GAGE READING FREQUENCY	16-TIME DAILY READINGS AT 03.00, 06.00-18.00, 21.00 AND 24.00 HOURS.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 16 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1977 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1977 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1977 TO DATE.
STABILITY OF CHANNEL REGIMES	RATHER UNSTABLE BY SOME SILTING.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS POOR. STAGE-DISCHARGE RELATION DEFINED BY 49 DISCHARGE MEASUREMENTS MADE IN 1983.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	-0.05	-0.25	0.67	0.72	0.75	0.84	1.46	1.87	0.96	0.84	0.60	0.60	
2	-0.06	-0.26	0.68	0.71	0.81	0.94	1.32	1.81	0.94	0.79	0.60	0.60	
3	-0.06	-0.26	0.71	0.69	1.71	1.54	1.21	1.59	0.91	0.76	0.60	0.60	
4	-0.07	-0.27	0.68	0.69	1.16	1.41	1.15	1.47	0.89	0.75	0.60	0.60	
5	-0.08	-0.27	0.66	0.70	1.14	1.31	1.32	1.38	0.88	0.72	0.60	0.60	
6	-0.09	-0.27	0.64	0.79	1.80	1.26	1.40	1.43	0.86	0.69	0.60	0.60	
7	-0.10	-0.28	0.62	0.73	2.73	1.21	1.74	1.37	0.85	0.69	0.60	0.60	
8	-0.11	-0.15	0.60	0.76	1.96	1.86	1.44	1.32	0.82	0.67	0.60	0.60	
9	-0.12	0.98	0.59	0.72	1.54	1.90	1.98	1.26	0.82	0.67	0.60	0.60	
10	-0.13	0.84	0.57	0.71	1.37	1.82	2.02	1.43	0.80	0.67	0.60	0.60	
11	-0.14	0.74	0.55	0.70	1.35	1.90	1.92	1.48	0.79	0.65	0.60	0.60	
12	-0.15	0.73	0.54	0.78	1.20	1.64	2.18	1.41	0.78	0.64	0.60	0.60	
13	-0.16	0.77	0.53	1.18	1.11	2.09	2.20	1.39	0.77	0.63	0.60	0.60	
14	-0.16	1.00	0.77	1.17	1.04	2.09	2.27	2.04	0.77	0.63	0.60	0.60	
15	-0.17	0.93	0.79	0.91	0.99	2.27	1.92	2.04	0.76	0.63	0.59	0.60	
16	-0.18	1.00	0.95	0.83	0.95	1.66	1.73	3.85	0.75	0.63	0.59	0.60	
17	-0.18	0.94	0.82	0.80	0.93	1.45	1.58	3.10	0.74	0.63	0.59	0.60	
18	-0.19	0.90	0.77	0.78	0.90	1.49	1.69	2.32	0.73	0.63	0.59	0.60	
19	-0.20	0.76	0.83	0.76	0.88	1.33	2.06	2.20	0.73	0.62	0.58	0.60	
20	-0.20	0.75	0.90	0.76	0.87	1.47	1.97	1.86	0.71	0.62	0.58	0.59	
21	-0.21	0.73	0.88	0.75	0.85	1.73	1.97	1.65	0.70	0.62	0.58	0.59	
22	-0.21	0.72	0.78	0.74	0.91	1.44	1.99	1.52	0.69	0.62	0.58	0.61	
23	-0.22	0.70	0.75	0.77	0.90	1.38	1.86	1.41	0.68	0.62	0.58	0.60	
24	-0.22	0.70	0.74	1.14	0.83	1.27	1.75	1.33	0.68	0.61	0.58	0.60	
25	-0.22	0.70	0.77	1.25	0.82	1.19	1.55	1.25	0.68	0.61	0.58	0.61	
26	-0.22	0.69	0.86	0.94	0.81	1.48	1.46	1.16	0.68	0.61	0.58	0.58	
27	-0.22	0.69	0.77	0.87	0.81	1.26	1.59	1.11	0.68	0.61	0.58	0.59	
28	-0.23	0.67	0.75	0.93	0.80	1.34	1.43	1.07	0.67	0.61	0.58	0.59	
29	-0.24	0.67	0.74	0.84	0.79	1.59	1.34	1.02	0.69	0.61	0.59	0.60	
30	-0.25	0.71	0.73	0.80	0.78	1.72	1.41	0.98	0.85	0.60		0.60	
31		0.69		0.77	0.77		1.41		1.09	0.60		0.63	
MEAN	-0.16	0.52	0.72	0.83	1.11	1.53	1.69	1.64	0.79	0.65	0.59	0.60	
MAX	-0.05	1.00	0.95	1.25	2.73	2.27	2.27	3.85	1.09	0.84	0.60	0.63	3.85
MIN	-0.25	-0.28	0.53	0.69	0.75	0.84	1.15	0.98	0.67	0.60	0.58	0.58	-0.28

ANNUAL MAX MOMENTARY GAGE HEIGHT 5.05 M (A.D), AT 24.00 HOURS, ON AUG 6, 1983
ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D), RIVER BED 0.18 M (A.D)
LEFT BANK ELEVATION 6.19 M (A.D)
RIGHT BANK ELEVATION 6.28 M (A.D), DRAINAGE AREA 183 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.00	0.00	0.13	0.16	0.18	0.43	3.02	6.67	0.70	0.43	0.10	0.10	
2	0.00	0.00	0.14	0.16	0.21	0.65	2.12	6.01	0.65	0.34	0.10	0.10	
3	0.00	0.00	0.16	0.14	3.48	3.58	1.55	3.93	0.58	0.29	0.10	0.10	
4	0.00	0.00	0.14	0.14	0.78	2.67	1.30	3.09	0.53	0.28	0.10	0.10	
5	0.00	0.00	0.12	0.15	0.72	2.06	2.12	2.48	0.51	0.23	0.10	0.10	
6	0.00	0.00	0.11	0.20	5.90	1.80	2.60	2.81	0.47	0.19	0.10	0.10	
7	0.00	0.00	0.09	0.17	21.75	1.55	5.24	2.42	0.45	0.19	0.10	0.10	
8	0.00	0.00	0.08	0.18	7.72	6.56	2.88	2.12	0.39	0.17	0.10	0.10	
9	0.00	0.37	0.07	0.16	3.58	7.00	7.96	1.80	0.39	0.17	0.10	0.10	
10	0.00	0.22	0.05	0.16	2.42	6.12	8.48	2.81	0.35	0.17	0.10	0.10	
11	0.00	0.17	0.04	0.15	2.30	7.00	7.24	3.16	0.34	0.15	0.10	0.10	
12	0.00	0.17	0.03	0.19	1.50	4.32	10.80	2.67	0.32	0.14	0.10	0.10	
13	0.00	0.19	0.02	0.84	1.14	9.46	11.10	2.54	0.30	0.13	0.10	0.10	
14	0.00	0.40	0.19	0.81	0.92	9.46	12.22	8.76	0.30	0.13	0.10	0.10	
15	0.00	0.30	0.20	0.27	0.78	12.22	7.24	8.76	0.29	0.13	0.09	0.10	
16	0.00	0.40	0.33	0.22	0.68	4.48	5.13	69.85	0.28	0.13	0.09	0.10	
17	0.00	0.31	0.21	0.20	0.63	2.95	3.86	33.20	0.26	0.13	0.09	0.10	
18	0.00	0.25	0.19	0.19	0.55	3.23	4.72	13.06	0.25	0.13	0.09	0.10	
19	0.00	0.18	0.22	0.18	0.51	2.18	9.04	11.10	0.25	0.12	0.08	0.10	
20	0.00	0.18	0.25	0.18	0.49	3.09	7.84	6.56	0.21	0.12	0.08	0.09	
21	0.00	0.17	0.24	0.18	0.45	5.13	7.84	4.40	0.20	0.12	0.08	0.09	
22	0.00	0.16	0.19	0.17	0.58	2.88	8.08	3.44	0.19	0.12	0.08	0.11	
23	0.00	0.15	0.18	0.19	0.55	2.48	6.56	2.67	0.18	0.12	0.08	0.10	
24	0.00	0.15	0.17	0.72	0.41	1.85	5.35	2.18	0.18	0.11	0.08	0.10	
25	0.00	0.15	0.19	1.05	0.39	1.46	3.65	1.75	0.18	0.11	0.08	0.11	
26	0.00	0.14	0.23	0.31	0.37	3.16	3.02	1.34	0.18	0.11	0.08	0.08	
27	0.00	0.14	0.19	0.24	0.37	1.80	3.93	1.14	0.18	0.11	0.08	0.09	
28	0.00	0.13	0.18	0.30	0.35	2.24	2.81	1.01	0.17	0.11	0.08	0.09	
29	0.00	0.13	0.17	0.22	0.34	3.93	2.24	0.86	0.19	0.11	0.09	0.10	
30	0.00	0.16	0.17	0.20	0.32	5.02	2.67	0.75	0.45	0.10		0.10	
31		0.14		0.19	0.30		2.67		1.07	0.10		0.13	
TOTAL	0.00	4.76	4.68	8.62	60.67	120.76	165.28	213.34	10.99	4.99	2.65	3.09	599.83 CMSDAY
MEAN	0.00	0.15	0.16	0.28	1.96	4.03	5.33	7.11	0.35	0.16	0.09	0.10	1.64 CMS
MAX	0.00	0.40	0.33	1.05	21.75	12.22	12.22	69.85	1.07	0.43	0.10	0.13	69.85 CMS
MIN	0.00	0.00	0.02	0.14	0.18	0.43	1.30	0.75	0.17	0.10	0.08	0.08	0.00 CMS
RUNOFF	0.000	0.411	0.404	0.745	5.242	10.434	14.280	18.433	0.950	0.431	0.229	0.267	51.825 MCM

MOMENTARY PEAK 171.83 CMS, AT 5.05 M (A.D), AT 24.00 HOURS, ON AUG 6, 1983
RUNOFF YIELD 8.96 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 938.96 LITERS/SECOND/SQUARE KM

WATER YEAR 1983

MAE KLONG RIVER BASIN

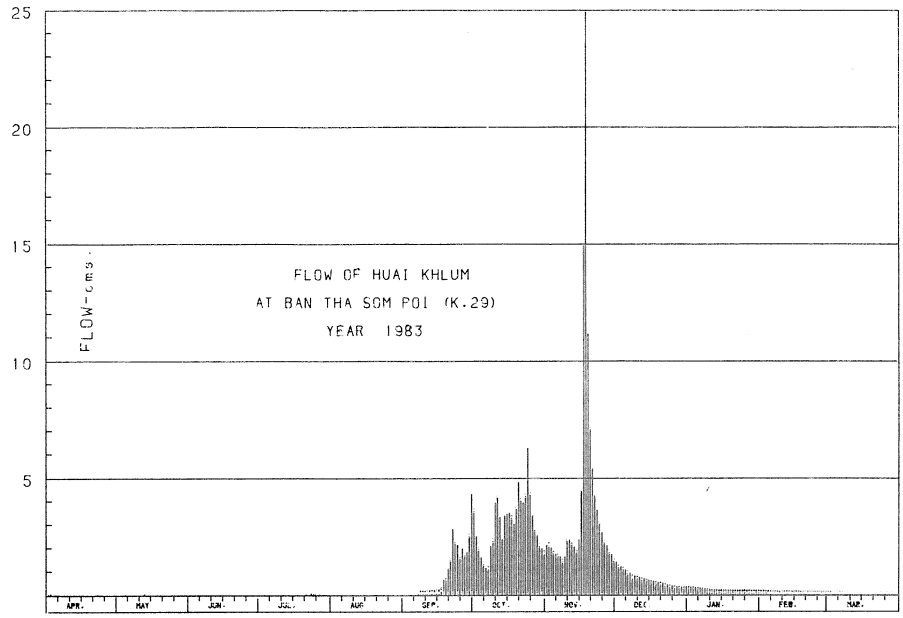
HUAI KHLUM AT BAN THA SOM POI, RATCHABURI (K.29)

LOCATION	LAT. 13°-34'-45" N., LONG. 99°-20'-19" E., ON RIGHT BANK AT BAN THA SOM POI, AMPHOE SUAN PHUNG, RATCHABURI.
DRAINAGE AREA	232 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM	+0.00 M.(A.D.)
BENCH MARK	B.M.-H.D.
LOCATION	ON RIGHT BANK ABOUT 30 METERS FROM THE TOP OF STAFF GAGE.
ELEVATION	+9.80 M.(A.D.)
GAGE READING FREQUENCY	5-TIME DAILY READINGS AT 06.00, 09.00, 12.00, 15.00 AND 18.00 HOURS.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 5 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1982 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1983 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1983 TO DATE.
STABILITY OF CHANNEL REGIMES	FAIRLY STABLE BECAUSE OF BACKWATER EFFECT.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS POOR. STAGE-DISCHARGE RELATION DEFINED BY 71 DISCHARGE MEASUREMENTS MADE IN 1983.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	1.38	1.39	1.40	1.39	1.40	1.43	2.60	2.31	2.00	1.68	1.56	1.50	
2	1.38	1.39	1.40	1.37	1.40	1.42	2.39	2.33	1.97	1.67	1.56	1.49	
3	1.38	1.39	1.40	1.37	1.40	1.42	2.29	2.28	1.96	1.67	1.55	1.49	
4	1.38	1.39	1.40	1.36	1.41	1.46	2.17	2.24	1.95	1.66	1.54	1.49	
5	1.38	1.39	1.40	1.36	1.46	1.43	2.12	2.21	1.93	1.65	1.53	1.49	
6	1.38	1.39	1.40	1.37	1.46	1.42	2.03	2.21	1.92	1.64	1.52	1.49	
7	1.38	1.39	1.39	1.37	1.42	1.53	2.06	2.18	1.90	1.63	1.52	1.48	
8	1.38	1.39	1.40	1.37	1.42	1.55	2.30	2.15	1.87	1.62	1.51	1.48	
9	1.38	1.39	1.40	1.37	1.42	1.54	2.37	2.18	1.86	1.61	1.50	1.48	
10	1.38	1.39	1.40	1.37	1.42	1.53	2.64	2.37	1.85	1.60	1.51	1.48	
11	1.38	1.39	1.40	1.37	1.42	1.55	2.69	2.36	1.84	1.59	1.52	1.47	
12	1.38	1.39	1.40	1.37	1.42	1.57	2.54	2.33	1.83	1.59	1.52	1.47	
13	1.38	1.39	1.40	1.38	1.42	1.58	2.40	2.29	1.82	1.58	1.52	1.47	
14	1.38	1.39	1.40	1.38	1.41	1.58	2.55	2.25	1.81	1.58	1.51	1.47	
15	1.38	1.39	1.40	1.38	1.41	1.59	2.58	2.36	1.80	1.58	1.51	1.47	
16	1.38	1.39	1.40	1.38	1.41	1.61	2.57	2.73	1.79	1.58	1.51	1.46	
17	1.38	1.39	1.41	1.38	1.41	1.65	2.55	3.63	1.78	1.57	1.51	1.46	
18	1.38	1.39	1.44	1.38	1.41	1.83	2.49	3.54	1.77	1.57	1.50	1.46	
19	1.38	1.42	1.40	1.39	1.41	1.86	2.61	2.94	1.76	1.57	1.50	1.46	
20	1.38	1.41	1.40	1.47	1.41	2.02	2.77	2.67	1.76	1.56	1.50	1.46	
21	1.38	1.39	1.40	1.40	1.42	2.17	2.67	2.50	1.75	1.56	1.50	1.46	
22	1.38	1.39	1.40	1.40	1.42	2.45	2.64	2.39	1.73	1.57	1.50	1.47	
23	1.38	1.39	1.40	1.54	1.42	2.36	2.70	2.31	1.72	1.56	1.50	1.47	
24	1.38	1.39	1.40	1.43	1.42	2.31	2.95	2.25	1.71	1.58	1.50	1.48	
25	1.38	1.40	1.40	1.42	1.41	2.20	2.71	2.19	1.70	1.57	1.50	1.50	
26	1.38	1.39	1.40	1.41	1.41	2.27	2.55	2.14	1.69	1.57	1.50	1.49	
27	1.38	1.39	1.39	1.40	1.40	2.22	2.46	2.11	1.68	1.57	1.50	1.49	
28	1.38	1.40	1.40	1.40	1.40	2.23	2.40	2.08	1.68	1.56	1.50	1.49	
29	1.38	1.40	1.40	1.40	1.40	2.41	2.32	2.05	1.67	1.56	1.50	1.48	
30	1.38	1.40	1.40	1.40	1.40	2.70	2.27	2.02	1.66	1.56		1.48	
31		1.40		1.40	1.41		2.25		1.68	1.56		1.47	
MEAN	1.38	1.39	1.40	1.39	1.41	1.83	2.47	2.39	1.80	1.59	1.51	1.48	
MAX	1.38	1.42	1.44	1.54	1.46	2.70	2.95	3.63	2.00	1.68	1.56	1.50	3.63
MIN	1.38	1.39	1.39	1.36	1.40	1.42	2.03	2.02	1.66	1.56	1.50	1.46	1.36

ANNUAL MAX MOMENTARY GAGE HEIGHT 4.25 M (A.D), AT 20.00 HOURS, ON NOV 17, 1983
ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D), RIVER BED 0.81 M (A.D)
LEFT BANK ELEVATION 5.68 M (A.D)
RIGHT BANK ELEVATION 9.58 M (A.D), DRAINAGE AREA 232 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.06	0.06	0.07	0.06	0.07	0.09	3.70	2.14	1.42	0.37	0.21	0.15	
2	0.06	0.06	0.07	0.05	0.07	0.09	2.51	2.23	1.28	0.35	0.21	0.14	
3	0.06	0.06	0.07	0.05	0.07	0.09	2.06	2.02	1.23	0.35	0.20	0.14	
4	0.06	0.06	0.07	0.04	0.08	0.12	1.61	1.87	1.19	0.34	0.19	0.14	
5	0.06	0.06	0.07	0.04	0.12	0.09	1.43	1.76	1.09	0.32	0.18	0.14	
6	0.06	0.06	0.07	0.05	0.12	0.09	1.16	1.76	1.04	0.31	0.17	0.14	
7	0.06	0.06	0.06	0.05	0.09	0.18	1.24	1.65	0.95	0.29	0.17	0.13	
8	0.06	0.06	0.07	0.05	0.09	0.20	2.10	1.54	0.86	0.28	0.16	0.13	
9	0.06	0.06	0.07	0.05	0.09	0.19	2.41	1.65	0.83	0.26	0.15	0.13	
10	0.06	0.06	0.07	0.05	0.09	0.18	3.95	2.41	0.80	0.25	0.16	0.13	
11	0.06	0.06	0.07	0.05	0.09	0.20	4.26	2.37	0.77	0.24	0.17	0.13	
12	0.06	0.06	0.07	0.05	0.09	0.22	3.34	2.23	0.74	0.24	0.17	0.13	
13	0.06	0.06	0.07	0.06	0.09	0.23	2.55	2.06	0.71	0.23	0.17	0.13	
14	0.06	0.06	0.07	0.06	0.08	0.23	3.40	1.91	0.68	0.23	0.16	0.13	
15	0.06	0.06	0.07	0.06	0.08	0.24	3.58	2.37	0.65	0.23	0.16	0.13	
16	0.06	0.06	0.07	0.06	0.08	0.26	3.52	4.54	0.63	0.23	0.16	0.12	
17	0.06	0.06	0.08	0.06	0.08	0.32	3.40	14.93	0.60	0.22	0.16	0.12	
18	0.06	0.06	0.10	0.06	0.08	0.66	3.04	25.51	0.58	0.22	0.15	0.12	
19	0.06	0.09	0.07	0.06	0.08	0.72	3.76	11.16	0.55	0.22	0.15	0.12	
20	0.06	0.08	0.07	0.13	0.08	1.13	4.82	7.17	0.55	0.21	0.15	0.12	
21	0.06	0.06	0.07	0.07	0.09	1.61	4.13	5.40	0.52	0.21	0.15	0.12	
22	0.06	0.06	0.07	0.07	0.09	2.83	3.95	4.36	0.48	0.22	0.15	0.13	
23	0.06	0.06	0.07	0.19	0.09	2.37	4.32	3.64	0.45	0.21	0.15	0.13	
24	0.06	0.06	0.07	0.09	0.09	2.14	6.28	3.15	0.43	0.23	0.15	0.13	
25	0.06	0.07	0.07	0.09	0.08	1.72	4.39	2.68	0.40	0.22	0.15	0.15	
26	0.06	0.06	0.07	0.08	0.08	1.99	3.40	2.33	0.39	0.22	0.15	0.14	
27	0.06	0.06	0.06	0.07	0.07	1.80	2.88	2.12	0.37	0.22	0.15	0.14	
28	0.06	0.07	0.07	0.07	0.07	1.83	2.55	1.92	0.37	0.21	0.15	0.14	
29	0.06	0.07	0.07	0.07	0.07	2.61	2.19	1.74	0.35	0.21	0.15	0.13	
30	0.06	0.07	0.07	0.07	0.07	4.32	1.99	1.55	0.34	0.21		0.13	
31		0.07		0.07	0.08		1.91		0.37	0.21		0.13	
TOTAL	1.80	1.96	2.12	2.08	2.60	28.75	95.83	122.17	21.62	7.76	4.75	4.09	295.53 CMSDAY
MEAN	0.06	0.06	0.07	0.07	0.08	0.96	3.09	4.07	0.70	0.25	0.16	0.13	0.81 CMS
MAX	0.06	0.09	0.10	0.19	0.12	4.32	6.28	25.51	1.42	0.37	0.21	0.15	25.51 CMS
MIN	0.06	0.06	0.06	0.04	0.07	0.09	1.16	1.54	0.34	0.21	0.15	0.12	0.04 CMS
RUNOFF	0.156	0.169	0.183	0.180	0.225	2.484	8.280	10.555	1.868	0.670	0.410	0.353	25.534 MCM

MOMENTARY PEAK 37.65 CMS, AT 4.25 M (A.D), AT 20.00 HOURS, ON NOV 17, 1983

RUNOFF YIELD 3.48 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 162.28 LITERS/SECOND/SQUARE KM

WATER YEAR 1983

PHETCHABURI RIVER BASIN

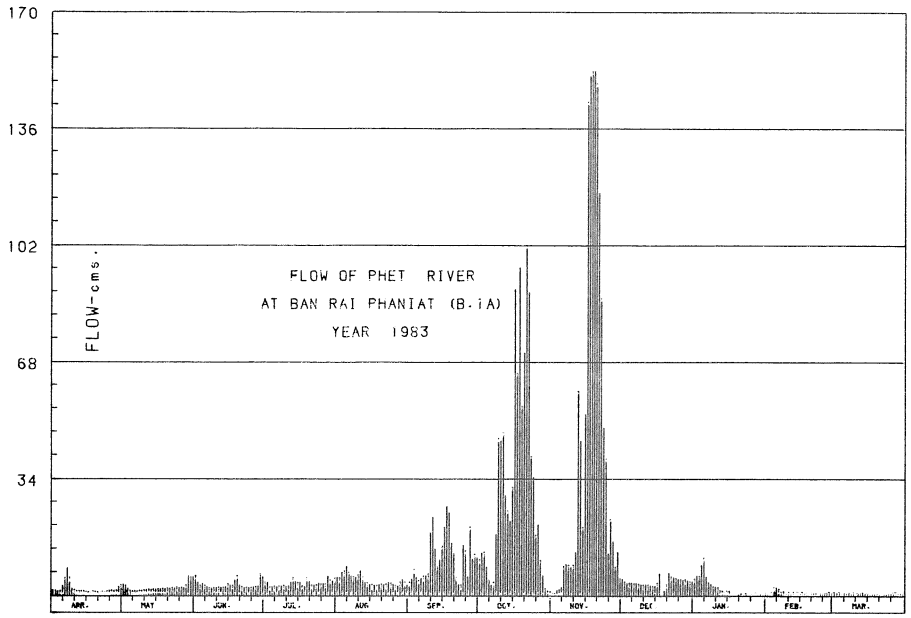
PHETCHABURI RIVER AT BAN RAI PHANIAT, PHETCHABURI (B.1A)

LOCATION	LAT. 13°-04'-22" N., LONG. 99°-56'-37" E., ON LEFT BANK, NEXT TO MUANG THAMON REGULATOR, BAN RAI PHANIAT, TAMBON BAN MO, AMPHOE MUANG, PHETCHABURI.
DRAINAGE AREA	4,188 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM	-0.060 M.(M.S.L.)
BENCH MARK	B.M.-H.D.
LOCATION	ON LEFT BANK ALONG THE GAGE LINE.
ELEVATION	+4.667 M.(M.S.L.)
GAGE READING FREQUENCY	5-TIME DAILY READINGS AT 06.00, 09.00, 12.00, 15.00 AND 18.00 HOURS.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 5 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1961 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1965, 1967 - 1971.
RATED BY FLOAT	-
RATED BY CURRENT METER	1965, 1967 - 1971.
STABILITY OF CHANNEL REGIMES	STABLE.
OVERBANK FLOW CONDITIONS	OVERBANK FLOW STARTS AT ELEVATION +3.93 M.(M.S.L.) AND IS INCLUDED.
GENERAL DESCRIPTION	RECORDS FAIR. FLOW REGULATED BY KAENG KRACHAN RESERVOIR AND PHET DIVERSION DAM FOR IRRIGATION ABOUT 27,800 HECTARES ABOVE GAGE SITE. STAGE-DISCHARGE RELATION DEFINED BY 109 DISCHARGE MEASUREMENTS MADE DURING 1965, 1967 - 1968, 1970.

GAGE HEIGHT IN METER (MSL), WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.90	1.04	1.20	1.08	1.17	1.08	1.47	0.83	1.14	1.14	0.80	0.83	
2	0.88	1.01	1.08	1.08	1.16	1.14	1.57	0.80	1.09	1.20	0.83	0.83	
3	0.87	0.94	1.01	0.97	1.26	1.31	1.58	0.89	1.06	1.19	0.84	0.83	
4	0.87	0.88	1.06	0.98	1.28	1.17	1.36	0.90	1.06	1.39	0.96	0.83	
5	1.01	0.88	1.01	0.99	1.37	1.11	1.12	0.97	1.07	1.50	0.96	0.82	
6	1.16	0.87	0.98	0.98	1.26	1.15	1.02	1.37	1.05	1.18	0.92	0.82	
7	1.34	0.87	0.95	0.99	1.19	1.19	1.08	1.41	1.06	1.07	0.85	0.82	
8	1.17	0.88	0.94	1.00	1.18	1.20	1.82	1.39	1.04	1.04	0.85	0.82	
9	0.94	0.88	0.95	1.01	1.17	1.23	2.78	1.35	1.03	0.98	0.84	0.83	
10	0.90	0.89	0.96	0.99	1.21	1.84	2.76	1.39	1.02	0.98	0.84	0.83	
11	0.88	0.91	0.96	0.99	1.29	2.07	2.83	1.58	1.03	0.96	0.84	0.81	
12	0.87	0.91	0.96	1.08	1.18	1.63	2.26	3.15	1.02	0.89	0.84	0.82	
13	0.88	0.91	0.96	1.16	1.07	1.36	2.10	2.76	1.01	0.87	0.84	0.82	
14	0.87	0.92	0.98	1.09	1.07	1.47	1.98	1.91	0.99	0.86	0.84	0.82	
15	0.86	0.92	1.04	1.07	1.03	1.67	2.34	2.98	1.00	0.87	0.84	0.81	
16	0.84	0.92	1.02	1.08	1.03	1.91	3.86	5.01	1.06	0.87	0.84	0.81	
17	0.84	0.93	1.01	1.00	1.02	2.19	3.28	5.16	1.24	0.71	0.84	0.81	
18	0.86	0.93	1.12	0.98	1.01	2.08	4.00	5.19	0.53	0.65	0.83	0.80	
19	0.86	0.93	1.20	1.16	1.03	1.71	3.04	5.19	0.87	0.64	0.83	0.80	
20	0.84	0.94	1.02	1.09	1.04	1.56	3.43	5.12	1.03	0.76	0.83	0.80	
21	0.84	0.94	0.98	1.02	1.03	1.17	4.14	4.47	1.25	0.79	0.82	0.80	
22	0.85	0.95	0.96	1.02	1.04	1.03	3.84	3.80	1.18	0.80	0.81	0.80	
23	0.85	0.95	0.96	1.02	1.08	1.02	2.63	2.87	1.17	0.80	0.81	0.82	
24	0.86	0.97	0.96	1.06	1.06	1.68	2.44	2.61	1.15	0.78	0.81	0.81	
25	0.89	0.96	0.96	1.04	1.04	1.60	1.81	1.56	1.14	0.80	0.81	0.81	
26	0.89	0.96	0.98	1.05	1.01	1.18	1.94	2.00	1.13	0.81	0.82	0.83	
27	0.88	0.96	0.98	1.04	1.00	1.91	1.46	1.73	1.12	0.81	0.83	0.84	
28	0.89	1.02	1.00	1.19	1.08	1.48	1.20	1.36	1.13	0.80	0.84	0.81	
29	0.99	1.20	1.23	1.12	1.13	1.55	0.94	1.58	1.11	0.78	0.83	0.81	
30	1.02	1.17	1.18	1.10	1.08	1.50	0.87	1.15	1.09	0.79		0.83	
31		1.18		1.15	1.02		0.85		1.09	0.81		0.82	
MEAN	0.92	0.96	1.02	1.05	1.12	1.47	2.19	2.42	1.06	0.92	0.84	0.82	
MAX	1.34	1.20	1.23	1.19	1.37	2.19	4.14	5.19	1.25	1.50	0.96	0.84	5.19
MIN	0.84	0.87	0.94	0.97	1.00	1.02	0.85	0.80	0.53	0.64	0.80	0.80	0.53

ANNUAL MAX MOMENTARY GAGE HEIGHT 5.19 M (MSL), AT 12.00 HOURS, ON NOV 19, 1983
ZERO GAGE AT BOTTOM ELEVATION -0.06 M (MSL), RIVER BED -0.31 M (MSL)
LEFT BANK ELEVATION 5.21 M (MSL)
RIGHT BANK ELEVATION 3.92 M (MSL), DRAINAGE AREA 4188 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	1.90	3.56	6.00	4.12	5.52	4.12	10.60	1.13	5.04	5.04	0.80	1.13	
2	1.68	3.14	4.12	4.12	5.36	5.04	12.60	0.80	4.26	6.00	1.13	1.13	
3	1.57	2.34	3.14	2.67	6.96	7.76	12.80	1.79	3.84	5.84	1.24	1.13	
4	1.57	1.68	3.84	2.78	7.28	5.52	8.56	1.90	3.84	9.04	2.56	1.13	
5	3.14	1.68	3.14	2.89	8.72	4.56	4.72	2.67	3.98	11.20	2.56	1.02	
6	5.36	1.57	2.78	2.78	6.96	5.20	3.28	8.72	3.70	5.68	2.12	1.02	
7	8.24	1.57	2.45	2.89	5.84	5.84	4.12	9.40	3.84	3.98	1.35	1.02	
8	5.52	1.68	2.34	3.00	5.68	6.00	17.96	9.04	3.56	3.56	1.35	1.02	
9	2.34	1.68	2.45	3.14	5.52	6.48	45.80	8.40	3.42	2.78	1.24	1.13	
10	1.90	1.79	2.56	2.89	6.16	18.42	45.10	9.04	3.28	2.78	1.24	1.13	
11	1.68	2.01	2.56	2.89	7.44	24.05	47.55	12.80	3.42	2.56	1.24	0.91	
12	1.57	2.01	2.56	4.12	5.68	13.80	29.24	59.60	3.28	1.79	1.24	1.02	
13	1.68	2.01	2.56	5.36	3.98	8.56	24.80	45.10	3.14	1.57	1.24	1.02	
14	1.57	2.12	2.78	4.26	3.98	10.60	21.80	20.05	2.89	1.46	1.24	1.02	
15	1.46	2.12	3.56	3.98	3.42	14.60	31.60	52.88	3.00	1.57	1.24	0.91	
16	1.24	2.12	3.28	4.12	3.42	20.05	89.24	143.80	3.84	1.57	1.24	0.91	
17	1.24	2.23	3.14	3.00	3.28	27.23	64.80	151.30	6.64	0.08	1.24	0.91	
18	1.46	2.23	4.72	2.78	3.14	24.30	95.60	152.80	0.00	0.00	1.13	0.80	
19	1.46	2.23	6.00	5.36	3.42	15.43	55.20	152.80	1.57	0.00	1.13	0.80	
20	1.24	2.34	3.28	4.26	3.56	12.40	70.83	149.30	3.42	0.48	1.13	0.80	
21	1.24	2.34	2.78	3.28	3.42	5.52	102.04	117.36	6.80	0.72	1.02	0.80	
22	1.35	2.45	2.56	3.28	3.56	3.42	88.36	86.60	5.68	0.80	0.91	0.80	
23	1.35	2.45	2.56	3.28	4.12	3.28	40.62	48.95	5.52	0.80	0.91	1.02	
24	1.46	2.67	2.56	3.84	3.84	14.80	34.60	39.94	5.20	0.64	0.91	0.91	
25	1.79	2.56	2.56	3.56	3.56	13.20	17.73	12.40	5.04	0.80	0.91	0.91	
26	1.79	2.56	2.78	3.70	3.14	5.68	20.80	22.30	4.88	0.91	1.02	1.13	
27	1.68	2.56	2.78	3.56	3.00	20.05	10.40	15.89	4.72	0.91	1.13	1.24	
28	1.79	3.28	3.00	5.84	4.12	10.80	6.00	8.56	4.88	0.80	1.24	0.91	
29	2.89	6.00	6.48	4.72	4.88	12.20	2.34	12.80	4.56	0.64	1.13	0.91	
30	3.28	5.52	5.68	4.40	4.12	11.20	1.57	5.20	4.26	0.72		1.13	
31		5.68		5.20	3.28		1.35		4.26	0.91		1.02	
TOTAL	66.44	80.18	101.00	116.07	146.36	340.11	1022.01	1363.32	125.76	75.63	36.84	30.74	3504.46 CMSDAY
MEAN	2.21	2.59	3.37	3.74	4.72	11.34	32.97	45.44	4.06	2.44	1.27	0.99	9.58 CMS
MAX	8.24	6.00	6.48	5.84	8.72	27.23	102.04	152.80	6.80	11.20	2.56	1.24	152.80 CMS
MIN	1.24	1.57	2.34	2.67	3.00	3.28	1.35	0.80	0.00	0.00	0.80	0.80	0.00 CMS
RUNOFF	5.740	6.928	8.726	10.028	12.646	29.386	88.302	117.791	10.866	6.534	3.183	2.656	302.785 MCM

MOMENTARY PEAK 152.80 CMS, AT 5.19 M (MSL), AT 12.00 HOURS, ON NOV 19, 1983

RUNOFF YIELD 2.29 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 36.49 LITERS/SECOND/SQUARE KM

WATER YEAR 1983

PHETCHABURI RIVER BASIN

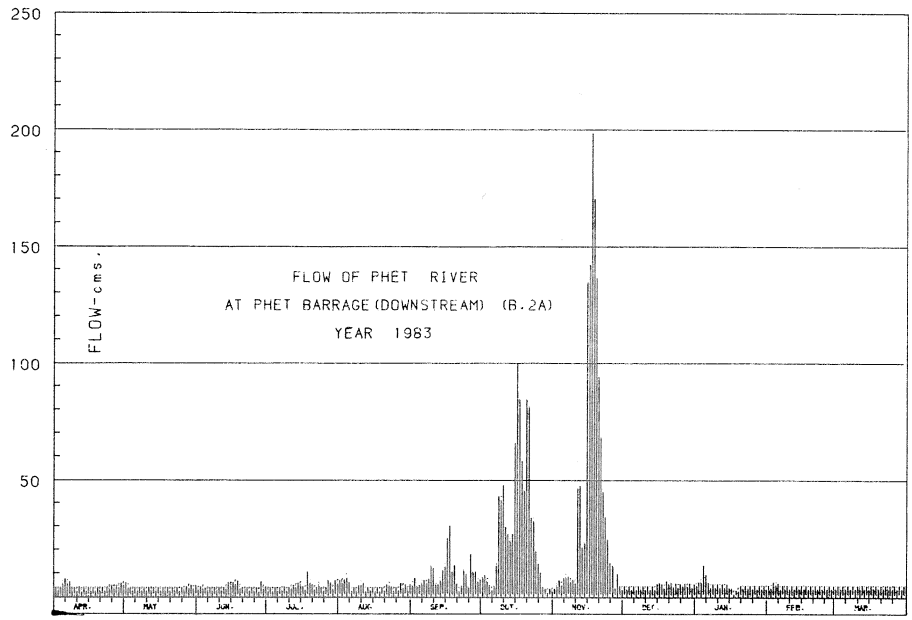
PHETCHABURI RIVER AT BAN THA SIK, PHETCHABURI (B.2A)

LOCATION	LAT. 12°-54'-44" N., LONG. 99°-51'-31" E., ON LEFT BANK ABOUT 500 METERS DOWNSTREAM OF PHET BARRAGE, AMPHOE THA YANG, PHETCHABURI.
DRAINAGE AREA	4,060 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM	+12.00 M. (M.S.L.)
BENCH MARK	B.M.-H.D.
LOCATION	AT THE ABUTMENT OF PHET BARRAGE.
ELEVATION	+23.50 M. (M.S.L.)
GAGE READING FREQUENCY	3-5 TIME DAILY READINGS AT 06.00,09.00,12.00,15.00 AND 18.00 HOURS.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 3-5 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1959 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1960-1961, 1965-1979, 1981 - 1983.
RATED BY FLOAT	-
RATED BY CURRENT METER	1960-1961, 1965-1979, 1981 - 1983.
STABILITY OF CHANNEL REGIMES	FAIRLY STABLE.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS POOR. FLOW REGULATED BY KAENG KRACHAN RESERVOIR AND PHET BARRAGE ABOVE GAGE SITE FOR IRRIGATION ABOUT 27,800 HECTARES. STAGE-DISCHARGE RELATION DEFINED BY 20 DISCHARGE MEASUREMENTS MADE IN 1983.

GAGE HEIGHT IN METER (MSL), WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	12.14	12.21	12.15	12.14	12.24	12.22	12.33	12.12	12.16	12.21	12.17	12.17	
2	12.14	12.19	12.15	12.14	12.26	12.27	12.31	12.20	12.16	12.22	12.18	12.17	
3	12.14	12.14	12.17	12.14	12.25	12.20	12.27	12.24	12.16	12.26	12.22	12.17	
4	12.23	12.14	12.13	12.14	12.33	12.17	12.17	12.22	12.16	12.45	12.22	12.17	
5	12.26	12.14	12.14	12.14	12.21	12.24	12.15	12.27	12.16	12.37	12.20	12.17	
6	12.24	12.14	12.14	12.14	12.14	12.24	12.16	12.33	12.16	12.21	12.17	12.17	
7	12.22	12.14	12.14	12.15	12.14	12.24	12.48	12.29	12.16	12.19	12.17	12.17	
8	12.14	12.14	12.14	12.15	12.14	12.26	13.33	12.27	12.16	12.19	12.17	12.17	
9	12.14	12.14	12.14	12.14	12.17	12.48	13.33	12.25	12.16	12.19	12.17	12.17	
10	12.14	12.14	12.14	12.14	12.23	12.41	13.47	12.25	12.16	12.19	12.17	12.17	
11	12.15	12.14	12.14	12.17	12.20	12.23	12.99	13.43	12.16	12.19	12.17	12.17	
12	12.13	12.14	12.14	12.17	12.14	12.18	12.85	13.51	12.16	12.19	12.17	12.18	
13	12.14	12.14	12.17	12.19	12.14	12.28	12.80	12.68	12.16	12.19	12.17	12.17	
14	12.14	12.14	12.21	12.20	12.14	12.38	12.85	12.78	12.16	12.19	12.17	12.17	
15	12.14	12.14	12.21	12.22	12.14	12.47	14.03	15.91	12.19	12.19	12.17	12.17	
16	12.14	12.14	12.21	12.15	12.14	12.80	14.94	16.16	12.25	12.13	12.17	12.17	
17	12.14	12.14	12.24	12.16	12.14	13.01	14.55	17.66	12.19	12.10	12.17	12.17	
18	12.14	12.14	12.23	12.36	12.14	12.36	13.77	16.94	12.18	12.10	12.17	12.17	
19	12.14	12.14	12.18	12.25	12.14	12.50	13.44	15.96	12.23	12.14	12.17	12.17	
20	12.14	12.14	12.14	12.18	12.15	12.19	14.51	14.82	12.24	12.17	12.17	12.17	
21	12.14	12.14	12.14	12.16	12.18	12.14	14.47	14.06	12.21	12.17	12.17	12.17	
22	12.14	12.14	12.14	12.14	12.21	12.16	13.06	13.43	12.20	12.17	12.17	12.17	
23	12.15	12.14	12.14	12.21	12.15	12.42	13.07	13.07	12.20	12.17	12.17	12.17	
24	12.17	12.14	12.14	12.14	12.14	12.33	12.63	12.83	12.19	12.17	12.17	12.17	
25	12.17	12.14	12.14	12.14	12.14	12.19	12.52	12.48	12.19	12.17	12.17	12.17	
26	12.17	12.15	12.14	12.14	12.15	12.59	12.35	12.49	12.21	12.17	12.17	12.17	
27	12.17	12.15	12.13	12.29	12.20	12.40	12.20	12.13	12.20	12.17	12.17	12.17	
28	12.19	12.18	12.22	12.20	12.19	12.36	12.12	12.38	12.20	12.17	12.17	12.17	
29	12.20	12.17	12.17	12.17	12.18	12.27	12.12	12.16	12.20	12.17	12.17	12.17	
30	12.22	12.16	12.15	12.24	12.15	12.25	12.12	12.16	12.19	12.17		12.17	
31		12.17		12.25	12.18		12.13		12.19	12.17		12.17	
MEAN	12.16	12.15	12.16	12.18	12.18	12.34	12.95	13.32	12.18	12.19	12.17	12.17	
MAX	12.26	12.21	12.24	12.36	12.33	13.01	14.94	17.66	12.25	12.45	12.22	12.18	17.66
MIN	12.13	12.14	12.13	12.14	12.14	12.14	12.12	12.12	12.16	12.10	12.17	12.17	12.10

ANNUAL MAX MOMENTARY GAGE HEIGHT 17.95 M (MSL), AT 19.00 HOURS, ON NOV 17, 1983
ZERO GAGE AT BOTTOM ELEVATION 12.00 M (MSL), RIVER BED 10.06 M (MSL)
LEFT BANK ELEVATION 18.02 M (MSL)
RIGHT BANK ELEVATION 22.99 M (MSL), DRAINAGE AREA 4060 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	4.20	6.30	4.50	4.20	7.20	6.60	9.90	3.60	4.80	6.30	5.10	5.10	
2	4.20	5.70	4.50	4.20	7.80	8.10	9.30	6.00	4.80	6.60	5.40	5.10	
3	4.20	4.20	5.10	4.20	7.50	6.00	8.10	7.20	4.80	7.80	6.60	5.10	
4	6.90	4.20	3.90	4.20	9.90	5.10	5.10	6.60	4.80	13.65	6.60	5.10	
5	7.80	4.20	4.20	4.20	6.30	7.20	4.50	8.10	4.80	11.10	6.00	5.10	
6	7.20	4.20	4.20	4.20	4.20	7.20	4.80	9.90	4.80	6.30	5.10	5.10	
7	6.60	4.20	4.20	4.50	4.20	7.20	14.64	8.70	4.80	5.70	5.10	5.10	
8	4.20	4.20	4.20	4.50	4.20	7.80	43.02	8.10	4.80	5.70	5.10	5.10	
9	4.20	4.20	4.20	4.20	5.10	14.64	43.02	7.50	4.80	5.70	5.10	5.10	
10	4.20	4.20	4.20	4.20	6.90	12.33	47.78	7.50	4.80	5.70	5.10	5.10	
11	4.50	4.20	4.20	5.10	6.00	6.90	31.47	46.42	4.80	5.70	5.10	5.10	
12	3.90	4.20	4.20	5.10	4.20	5.40	26.85	49.14	4.80	5.70	5.10	5.40	
13	4.20	4.20	5.10	5.70	4.20	8.40	25.20	21.24	4.80	5.70	5.10	5.10	
14	4.20	4.20	6.30	6.00	4.20	11.40	26.85	24.54	4.80	5.70	5.10	5.10	
15	4.20	4.20	6.30	6.60	4.20	14.31	67.25	134.76	5.70	5.70	5.10	5.10	
16	4.20	4.20	6.30	4.50	4.20	25.20	99.84	143.76	7.50	3.90	5.10	5.10	
17	4.20	4.20	7.20	4.80	4.20	32.14	85.80	198.48	5.70	3.00	5.10	5.10	
18	4.20	4.20	6.90	10.80	4.20	10.80	58.15	171.84	5.40	3.00	5.10	5.10	
19	4.20	4.20	5.40	7.50	4.20	15.30	46.76	136.56	6.90	4.20	5.10	5.10	
20	4.20	4.20	4.20	5.40	4.50	5.70	84.36	95.52	7.20	5.10	5.10	5.10	
21	4.20	4.20	4.20	4.80	5.40	4.20	82.92	68.30	6.30	5.10	5.10	5.10	
22	4.20	4.20	4.20	4.20	6.30	4.80	33.84	46.42	6.00	5.10	5.10	5.10	
23	4.50	4.20	4.20	6.30	4.50	12.66	34.18	34.18	6.00	5.10	5.10	5.10	
24	5.10	4.20	4.20	4.20	4.20	9.90	19.59	26.19	5.70	5.10	5.10	5.10	
25	5.10	4.20	4.20	4.20	4.20	5.70	15.96	14.64	5.70	5.10	5.10	5.10	
26	5.10	4.50	4.20	4.20	4.50	18.27	10.50	14.97	6.30	5.10	5.10	5.10	
27	5.10	4.50	3.90	8.70	6.00	12.00	6.00	3.90	6.00	5.10	5.10	5.10	
28	5.70	5.40	6.60	6.00	5.70	10.80	3.60	11.40	6.00	5.10	5.10	5.10	
29	6.00	5.10	5.10	5.10	5.40	8.10	3.60	4.80	6.00	5.10	5.10	5.10	
30	6.60	4.80	4.50	7.20	4.50	7.50	3.60	4.80	5.70	5.10		5.10	
31		5.10		7.50	5.40		3.90		5.70	5.10		5.10	
TOTAL	147.30	138.00	144.60	166.50	163.50	311.65	960.38	1325.06	171.00	178.35	152.10	158.40	4016.84 CMSDAY
MEAN	4.91	4.45	4.82	5.37	5.27	10.39	30.98	44.17	5.52	5.75	5.24	5.11	10.97 CMS
MAX	7.80	6.30	7.20	10.80	9.90	32.14	99.84	198.48	7.50	13.65	6.60	5.40	198.48 CMS
MIN	3.90	4.20	3.90	4.20	4.20	4.20	3.60	3.60	4.80	3.00	5.10	5.10	3.00 CMS
RUNOFF	12.727	11.923	12.493	14.386	14.126	26.927	82.977	114.485	14.774	15.409	13.141	13.686	347.055 MCM

MOMENTARY PEAK 209.50 CMS, AT 17.95 M (MSL), AT 19.00 HOURS, ON NOV 17, 1983

RUNOFF YIELD 2.70 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 51.60 LITERS/SECOND/SQUARE KM

WATER YEAR 1983

PHETCHABURI RIVER BASIN

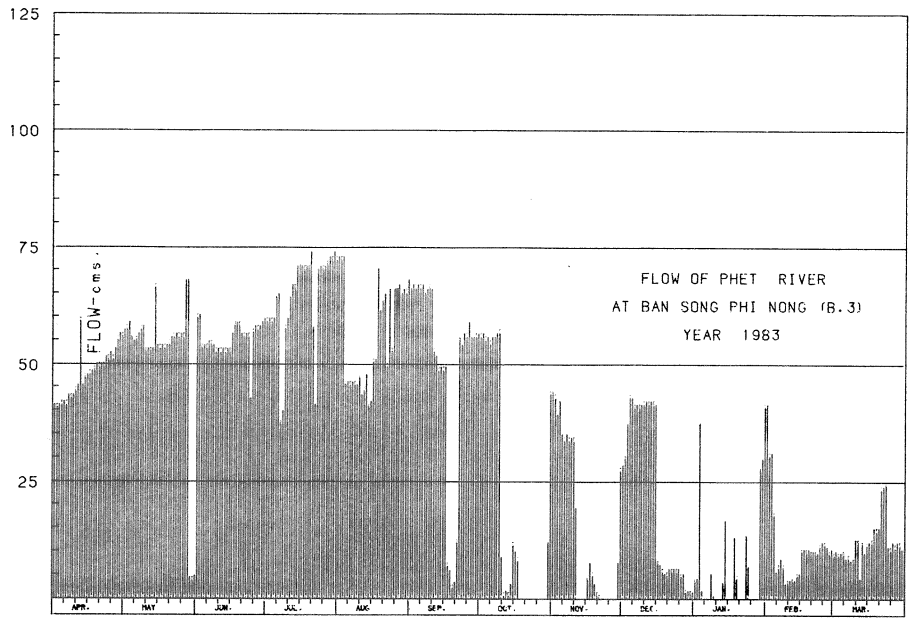
PHETCHABURI RIVER AT BAN SONG PHI NONG, PHETCHABURI (B.3)

LOCATION	LAT. 12°-52'-04" N., LONG. 99°-40'-40" E., ON LEFT BANK AT BAN SONG PHI NONG, AMPHOE THA YANG, PHETCHABURI.
DRAINAGE AREA	2,244 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM	+40.998 M. (M.S.L.)
BENCH MARK	B.M.-H.D.
LOCATION	NEAR THE TOP OF STAFF GAGE.
ELEVATION	+49.760 M. (M.S.L.)
GAGE READING FREQUENCY	5-TIME DAILY READINGS AT 06.00, 09.00, 12.00, 15.00 AND 18.00 HOURS.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 5 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1930 - 1942, 1954 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1954 - 1959, 1968 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1954 - 1959, 1968 TO DATE.
STABILITY OF CHANNEL REGIMES	STABLE.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS FAIR. FLOW REGULATED BY KAENG KRACHAN RESERVOIR. STAGE-DISCHARGE RELATION DEFINED BY 10 DISCHARGE MEASUREMENTS MADE IN 1983.

GAGE HEIGHT IN METER (MSL), WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	42.72	42.93	42.97	42.96	43.10	43.04	42.92	42.76	42.53	42.04	42.72	42.18	
2	42.72	42.94	42.97	42.96	43.10	43.04	42.92	42.75	42.56	42.04	42.57	42.19	
3	42.72	42.95	42.89	42.96	43.10	43.04	42.91	42.69	42.66	42.67	42.57	42.18	
4	42.73	42.92	42.89	42.96	42.79	43.04	42.91	42.74	42.75	41.96	42.35	42.18	
5	42.73	42.90	42.89	43.02	42.79	43.04	42.90	42.63	42.74	41.87	42.08	42.19	
6	42.73	42.91	42.90	43.02	42.79	43.04	42.91	42.62	42.72	41.75	42.12	42.15	
7	42.75	42.92	42.90	42.67	42.79	43.03	42.92	42.63	42.72	41.74	42.15	42.17	
8	42.75	42.94	42.89	42.70	42.79	43.03	42.92	42.62	42.72	42.07	42.12	42.14	
9	42.75	42.94	42.88	42.94	42.78	43.04	42.93	42.62	42.72	41.92	42.01	42.15	
10	42.77	42.88	42.88	42.96	42.81	43.03	42.16	42.62	42.73	41.76	42.03	42.24	
11	42.78	42.88	42.88	43.02	42.75	42.88	41.95	42.37	42.73	41.75	42.03	42.24	
12	42.96	42.88	42.88	43.04	42.77	42.86	41.96	41.86	42.73	41.72	42.04	42.04	
13	42.78	42.88	42.88	43.04	42.81	42.83	41.95	41.81	42.73	42.02	42.03	42.23	
14	42.81	43.04	42.88	43.08	42.72	42.83	42.01	41.80	42.73	42.32	42.07	42.18	
15	42.81	42.89	42.88	43.09	42.73	42.83	42.23	41.86	42.72	41.74	42.07	42.23	
16	42.82	42.89	42.92	43.08	42.85	42.83	42.19	42.05	42.14	41.72	42.20	42.23	
17	42.82	42.89	42.95	43.08	42.85	42.13	42.16	42.13	42.12	41.71	42.20	42.24	
18	42.83	42.89	42.95	43.08	43.08	42.09	41.84	42.08	42.10	42.25	42.20	42.29	
19	42.84	42.89	42.95	43.08	42.98	42.01	41.84	42.01	42.07	42.06	42.20	42.29	
20	42.84	42.90	42.92	43.11	43.01	42.02	41.85	41.95	42.08	41.81	42.19	42.29	
21	42.84	42.91	42.92	42.94	43.02	42.24	41.84	41.93	42.10	41.73	42.19	42.45	
22	42.84	42.92	42.92	42.72	42.84	42.91	41.84	41.88	42.10	41.72	42.19	42.45	
23	42.86	42.92	42.92	43.08	43.03	42.90	41.85	41.85	42.10	42.26	42.18	42.47	
24	42.86	42.92	42.74	43.08	42.88	42.92	41.85	41.85	42.10	42.11	42.22	42.21	
25	42.87	42.92	42.93	43.08	43.03	42.92	41.84	41.82	42.10	41.89	42.23	42.21	
26	42.86	42.92	42.94	43.08	43.03	42.95	41.84	41.81	42.07	41.74	42.23	42.23	
27	42.88	43.05	42.94	43.09	43.04	42.92	41.85	41.81	42.07	41.71	42.21	42.22	
28	42.91	43.06	42.94	43.10	43.03	42.91	41.85	41.82	41.97	41.68	42.19	42.23	
29	42.92	42.05	42.96	43.10	43.03	42.92	41.85	42.13	41.96	42.52	42.20	42.23	
30	42.92	42.05	42.96	43.11	43.03	42.92	42.23	42.52	41.96	42.55		42.20	
31		42.06		43.10	43.05		42.76		41.95	42.72		42.20	
MEAN	42.81	42.84	42.91	43.01	42.92	42.81	42.26	42.20	42.37	41.99	42.20	42.23	
MAX	42.96	43.06	42.97	43.11	43.10	43.04	42.93	42.76	42.75	42.72	42.72	42.47	43.11
MIN	42.72	42.05	42.74	42.67	42.72	42.01	41.84	41.80	41.95	41.68	42.01	42.04	41.68

ANNUAL MAX MOMENTARY GAGE HEIGHT 43.11 M (MSL), AT 6.00 HOURS, ON JUL 20, 1983
ZERO GAGE AT BOTTOM ELEVATION 40.99 M (MSL), RIVER BED 40.57 M (MSL)
LEFT BANK ELEVATION 47.88 M (MSL)
RIGHT BANK ELEVATION 48.81 M (MSL), DRAINAGE AREA 2244 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	41.40	57.40	60.60	59.80	73.00	67.00	56.60	44.20	28.52	4.24	41.40	9.68	
2	41.40	58.20	60.60	59.80	73.00	67.00	56.60	43.50	30.44	4.24	31.08	10.09	
3	41.40	59.00	54.20	59.80	73.00	67.00	55.80	39.30	37.20	37.90	31.08	9.68	
4	42.10	56.60	54.20	59.80	46.30	67.00	55.80	42.80	43.50	1.68	18.25	9.68	
5	42.10	55.00	54.20	65.00	46.30	67.00	55.00	35.10	42.80	0.00	5.68	10.09	
6	42.10	55.80	55.00	65.00	46.30	67.00	55.80	34.40	41.40	0.00	7.22	8.45	
7	43.50	56.60	55.00	37.90	46.30	66.00	56.60	35.10	41.40	0.00	8.45	9.27	
8	43.50	58.20	54.20	40.00	46.30	66.00	56.60	34.40	41.40	5.32	7.22	8.04	
9	43.50	58.20	53.40	58.20	45.60	67.00	57.40	34.40	41.40	0.56	3.16	8.45	
10	44.90	53.40	53.40	59.80	47.80	66.00	8.86	34.40	42.10	0.00	3.88	12.50	
11	45.60	53.40	53.40	65.00	43.50	53.40	1.40	19.35	42.10	0.00	3.88	12.50	
12	59.80	53.40	53.40	67.00	44.90	51.80	1.68	0.00	42.10	0.00	4.24	4.24	
13	45.60	53.40	53.40	67.00	47.80	49.40	1.40	0.00	42.10	3.52	3.88	12.00	
14	47.80	67.00	53.40	71.00	41.40	49.40	3.16	0.00	42.10	16.60	5.32	9.68	
15	47.80	54.20	53.40	72.00	42.10	49.40	12.00	0.00	41.40	0.00	5.32	12.00	
16	48.60	54.20	56.60	71.00	51.00	49.40	10.09	4.60	8.04	0.00	10.50	12.00	
17	48.60	54.20	59.00	71.00	51.00	7.63	8.86	7.63	7.22	0.00	10.50	12.50	
18	49.40	54.20	59.00	71.00	71.00	6.04	0.00	5.68	6.40	13.00	10.50	15.00	
19	50.20	54.20	59.00	71.00	61.40	3.16	0.00	3.16	5.32	4.96	10.50	15.00	
20	50.20	55.00	56.60	74.00	64.00	3.52	0.00	1.40	5.68	0.00	10.09	15.00	
21	50.20	55.80	56.60	58.20	65.00	12.50	0.00	0.84	6.40	0.00	10.09	23.80	
22	50.20	56.60	56.60	41.40	50.20	55.80	0.00	0.00	6.40	0.00	10.09	23.80	
23	51.80	56.60	56.60	71.00	66.00	55.00	0.00	0.00	6.40	13.50	9.68	24.92	
24	51.80	56.60	42.80	71.00	53.40	56.60	0.00	0.00	6.40	6.81	11.50	11.00	
25	52.60	56.60	57.40	71.00	66.00	56.60	0.00	0.00	6.40	0.00	12.00	11.00	
26	51.80	56.60	58.20	71.00	66.00	59.00	0.00	0.00	5.32	0.00	12.00	12.00	
27	53.40	68.00	58.20	72.00	67.00	56.60	0.00	0.00	5.32	0.00	11.00	11.50	
28	55.80	69.00	58.20	73.00	66.00	55.80	0.00	0.00	1.96	0.00	10.09	12.00	
29	56.60	4.60	59.80	73.00	66.00	56.60	0.00	7.63	1.68	27.88	10.50	12.00	
30	56.60	4.60	59.80	74.00	66.00	56.60	12.00	27.88	1.68	29.80		10.50	
31		4.96		73.00	68.00		44.20		1.40	41.40		10.50	
TOTAL	1450.30	1611.56	1676.20	2013.70	1761.60	1511.25	609.85	455.77	681.98	211.41	329.10	378.87	12691.59 CMSDAY
MEAN	48.34	51.99	55.87	64.96	56.83	50.38	19.67	15.19	22.00	6.82	11.35	12.22	34.68 CMS
MAX	59.80	69.00	60.60	74.00	73.00	67.00	57.40	44.20	43.50	41.40	41.40	24.92	74.00 CMS
MIN	41.40	4.60	42.80	37.90	41.40	3.16	0.00	0.00	1.40	0.00	3.16	4.24	0.00 CMS
RUNOFF	125.306	139.239	144.824	173.984	152.202	130.572	52.691	39.379	58.923	18.266	28.434	32.734	1096.553 MCM

MOMENTARY PEAK 74.00 CMS, AT 43.11 M (MSL), AT 6.00 HOURS, ON JUL 20, 1983

RUNOFF YIELD 15.45 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 32.98 LITERS/SECOND/SQUARE KM

WATER YEAR 1983

PHETCHABURI RIVER BASIN

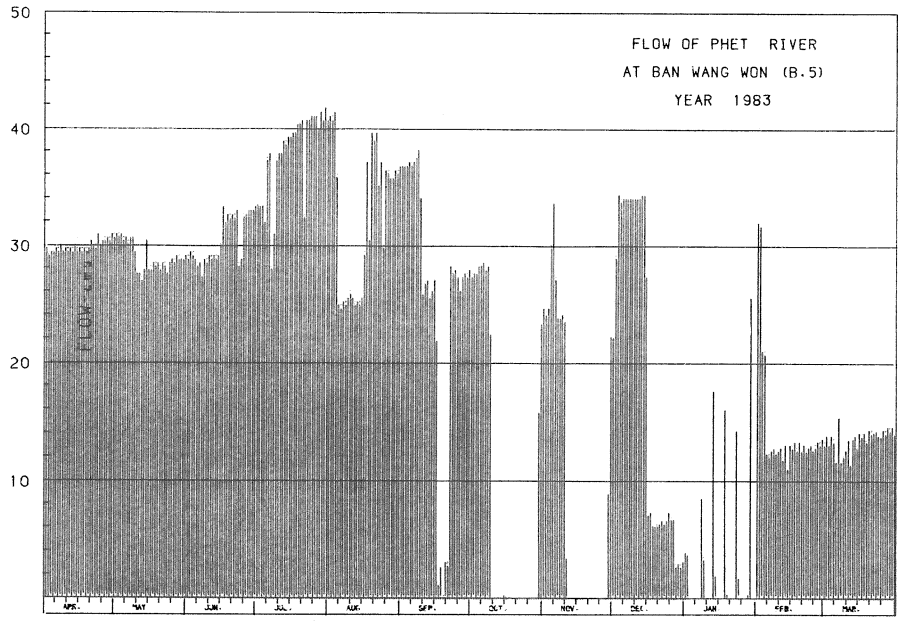
PHETCHABURI RIVER AT BAN WANG WON, PHETCHABURI (B.5)

LOCATION	LAT. 12°-54'-40" N., LONG. 99°-38'-38" E., ON RIGHT BANK ABOUT 1 KILOMETER DOWNSTREAM FROM KAENG KRACHAN RESERVOIR, AMPHOE THA YANG, PHETCHABURI.
DRAINAGE AREA	2,207 SQ.KM.
TYPE OF GAGE	WATER-STAGE RECORDER.
ZERO GAGE AT BOTTOM	+48.485 M.(M.S.L.)
BENCH MARK	B.M.-H.D.
LOCATION	BEHIND THE STATION OFFICE.
ELEVATION	+59.967 M. (M.S.L.)
GAGE READING FREQUENCY	RECORDING.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 24 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1962 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1962 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1962 TO DATE.
STABILITY OF CHANNEL REGIMES	STABLE.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS FAIR. STAGE-DISCHARGE RELATION DEFINED BY 25 DISCHARGE MEASUREMENTS MADE IN 1983.

GAGE HEIGHT IN METER (MSL), WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	49.25	49.29	49.23	49.37	49.58	49.47	49.18	49.08	48.99	48.21	49.32	48.66	
2	49.24	49.29	49.24	49.36	49.58	49.46	49.18	49.07	49.23	48.18	49.32	48.68	
3	49.24	49.29	49.24	49.37	49.59	49.47	49.19	49.08	49.39	47.56	48.95	48.66	
4	49.25	49.28	49.22	49.32	49.44	49.47	49.20	49.26	49.38	47.69	48.95	48.68	
5	49.25	49.28	49.21	49.48	49.09	49.47	49.21	49.37	49.38	47.60	48.62	48.67	
6	49.25	49.27	49.21	49.49	49.09	49.47	49.21	49.17	49.39	47.58	48.62	48.59	
7	49.26	49.28	49.18	49.20	49.10	49.49	49.20	49.05	49.38	47.56	48.63	48.75	
8	49.25	49.29	49.22	49.29	49.10	49.50	49.20	49.06	49.39	48.45	48.65	48.59	
9	49.25	49.24	49.22	49.48	49.11	49.39	49.01	49.06	49.38	48.17	48.62	48.62	
10	49.25	49.19	49.23	49.49	49.13	49.12	47.81	49.05	49.39	47.67	48.64	48.63	
11	49.25	49.18	49.23	49.50	49.11	49.16	47.69	48.16	49.38	47.57	48.64	48.68	
12	49.25	49.17	49.23	49.52	49.10	49.16	47.62	47.63	49.39	47.56	48.61	48.58	
13	49.26	49.19	49.23	49.52	49.10	49.12	47.60	47.60	49.39	48.83	48.65	48.68	
14	49.25	49.28	49.23	49.53	49.10	49.13	47.77	47.60	49.40	48.04	48.58	48.68	
15	49.25	49.19	49.27	49.54	49.11	49.17	47.87	47.60	49.17	47.60	48.65	48.65	
16	49.25	49.20	49.36	49.54	49.24	48.98	47.85	47.60	48.39	47.56	48.65	48.69	
17	49.25	49.21	49.33	49.55	49.47	47.99	47.70	47.67	48.39	47.55	48.66	48.69	
18	49.25	49.21	49.34	49.56	49.28	48.11	47.61	47.80	48.35	48.77	48.64	48.69	
19	49.25	49.21	49.34	49.57	49.54	47.86	47.61	47.80	48.33	47.91	48.66	48.67	
20	49.28	49.20	49.34	49.57	49.53	48.14	47.61	47.77	48.34	47.59	48.64	48.70	
21	49.26	49.21	49.34	49.34	49.54	48.14	47.60	47.68	48.34	47.55	48.65	48.70	
22	49.26	49.21	49.35	49.57	49.42	49.20	47.60	47.60	48.37	47.55	48.64	48.69	
23	49.29	49.18	49.21	49.58	49.47	49.19	47.60	47.60	48.34	48.70	48.64	48.71	
24	49.27	49.22	49.22	49.58	49.26	49.19	47.60	47.59	48.37	48.02	48.66	48.68	
25	49.27	49.22	49.34	49.59	49.45	49.18	47.60	47.58	48.39	47.61	48.63	48.69	
26	49.28	49.22	49.34	49.58	49.45	49.13	47.61	47.58	48.37	47.62	48.65	48.70	
27	49.28	49.23	49.36	49.56	49.43	49.18	47.60	47.58	48.36	47.58	48.66	48.70	
28	49.28	49.23	49.35	49.59	49.44	49.18	47.59	47.58	48.13	47.86	48.66	48.71	
29	49.29	49.22	49.36	49.58	49.45	49.18	47.59	48.47	48.13	49.12	48.67	48.71	
30	49.29	49.23	49.36	49.60	49.45	49.19	48.76	49.00	48.13	47.65		48.71	
31		49.23		49.58	49.46		49.04		48.14	47.59		48.70	
MEAN	49.26	49.23	49.28	49.50	49.33	49.06	48.18	48.22	48.80	47.89	48.71	48.68	
MAX	49.29	49.29	49.36	49.60	49.59	49.50	49.21	49.37	49.40	49.12	49.32	48.75	49.60
MIN	49.24	49.17	49.18	49.20	49.09	47.86	47.59	47.58	48.13	47.55	48.58	48.58	47.55

ANNUAL MAX MOMENTARY GAGE HEIGHT 50.20 M (MSL), AT 22.00 HOURS, ON MAY 9, 1983
ZERO GAGE AT BOTTOM ELEVATION 48.48 M (MSL), RIVER BED 47.00 M (MSL)
LEFT BANK ELEVATION 59.22 M (MSL)
RIGHT BANK ELEVATION 54.14 M (MSL), DRAINAGE AREA 2207 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	29.75	30.99	29.13	33.68	41.08	37.15	27.60	24.64	22.12	4.15	31.98	13.30	
2	29.44	30.99	29.44	33.34	41.08	36.80	27.60	24.36	29.13	3.70	31.98	13.80	
3	29.44	30.99	29.44	33.68	41.44	37.15	27.90	24.64	34.36	0.00	21.00	13.30	
4	29.75	30.68	28.82	31.98	36.10	37.15	28.20	30.06	34.02	0.00	21.00	13.80	
5	29.75	30.68	28.51	37.50	24.92	37.15	28.51	33.68	34.02	0.00	12.30	13.55	
6	29.75	30.37	28.51	37.85	24.92	37.15	28.51	27.30	34.36	0.00	12.30	11.57	
7	30.06	30.68	27.60	28.20	25.20	37.85	28.20	23.80	34.02	0.00	12.55	15.55	
8	29.75	30.99	28.82	30.99	25.20	38.20	28.20	24.08	34.36	8.50	13.05	11.57	
9	29.75	29.44	28.82	37.50	25.50	34.36	22.68	24.08	34.02	3.55	12.30	12.30	
10	29.75	27.90	29.13	37.85	26.10	25.80	0.05	23.80	34.36	0.00	12.80	12.55	
11	29.75	27.60	29.13	38.20	25.50	27.00	0.00	3.40	34.02	0.00	12.80	13.80	
12	29.75	27.30	29.13	38.92	25.20	27.00	0.00	0.00	34.36	0.00	12.05	11.34	
13	30.06	27.90	29.13	38.92	25.20	25.80	0.00	0.00	34.36	17.64	13.05	13.80	
14	29.75	30.68	29.13	39.28	25.20	26.10	0.00	0.00	34.70	1.90	11.34	13.80	
15	29.75	27.90	30.37	39.64	25.50	27.30	0.35	0.00	27.30	0.00	13.05	13.05	
16	29.75	28.20	33.34	39.64	29.44	21.84	0.25	0.00	7.30	0.00	13.05	14.05	
17	29.75	28.51	32.32	40.00	37.15	1.40	0.00	0.00	7.30	0.00	13.30	14.05	
18	29.75	28.51	32.66	40.36	30.68	2.65	0.00	0.00	6.50	16.05	12.80	14.05	
19	29.75	28.51	32.66	40.72	39.64	0.30	0.00	0.00	6.10	0.60	13.30	13.55	
20	30.68	28.20	32.66	40.72	39.28	3.10	0.00	0.00	6.30	0.00	12.80	14.30	
21	30.06	28.51	32.66	32.66	39.64	3.10	0.00	0.00	6.30	0.00	13.05	14.30	
22	30.06	28.51	33.00	40.72	35.40	28.20	0.00	0.00	6.90	0.00	12.80	14.05	
23	30.99	27.60	28.51	41.08	37.15	27.90	0.00	0.00	6.30	14.30	12.80	14.55	
24	30.37	28.82	28.82	41.08	30.06	27.90	0.00	0.00	6.90	1.70	13.30	13.80	
25	30.37	28.82	32.66	41.44	36.45	27.60	0.00	0.00	7.30	0.00	12.55	14.05	
26	30.68	28.82	32.66	41.08	36.45	26.10	0.00	0.00	6.90	0.00	13.05	14.30	
27	30.68	29.13	33.34	40.36	35.75	27.60	0.00	0.00	6.70	0.00	13.30	14.30	
28	30.68	29.13	33.00	41.44	36.10	27.60	0.00	0.00	2.95	0.30	13.30	14.55	
29	30.99	28.82	33.34	41.08	36.45	27.60	0.00	8.90	2.95	25.80	13.55	14.55	
30	30.99	29.13	33.34	41.80	36.45	27.90	15.80	22.40	2.95	0.00		14.55	
31		29.13		41.08	36.80		23.52		3.10	0.00		14.30	
TOTAL	901.80	903.44	920.08	1182.79	1011.03	772.75	287.37	295.14	582.26	98.19	426.50	424.38	7805.73 CMSDAY
MEAN	30.06	29.14	30.67	38.15	32.61	25.76	9.27	9.84	18.78	3.17	14.71	13.69	21.33 CMS
MAX	30.99	30.99	33.34	41.80	41.44	38.20	28.51	33.68	34.70	25.80	31.98	15.55	41.80 CMS
MIN	29.44	27.30	27.60	28.20	24.92	0.30	0.00	0.00	2.95	0.00	11.34	11.34	0.00 CMS
RUNOFF	77.916	78.057	79.495	102.193	87.353	66.766	24.829	25.500	50.307	8.484	36.850	36.666	674.415 MCM

MOMENTARY PEAK 65.23 CMS, AT 50.20 M (MSL), AT 22.00 HOURS, ON MAY 9, 1983

RUNOFF YIELD 9.66 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 29.56 LITERS/SECOND/SQUARE KM

WATER YEAR 1983

PHETCHABURI RIVER BASIN

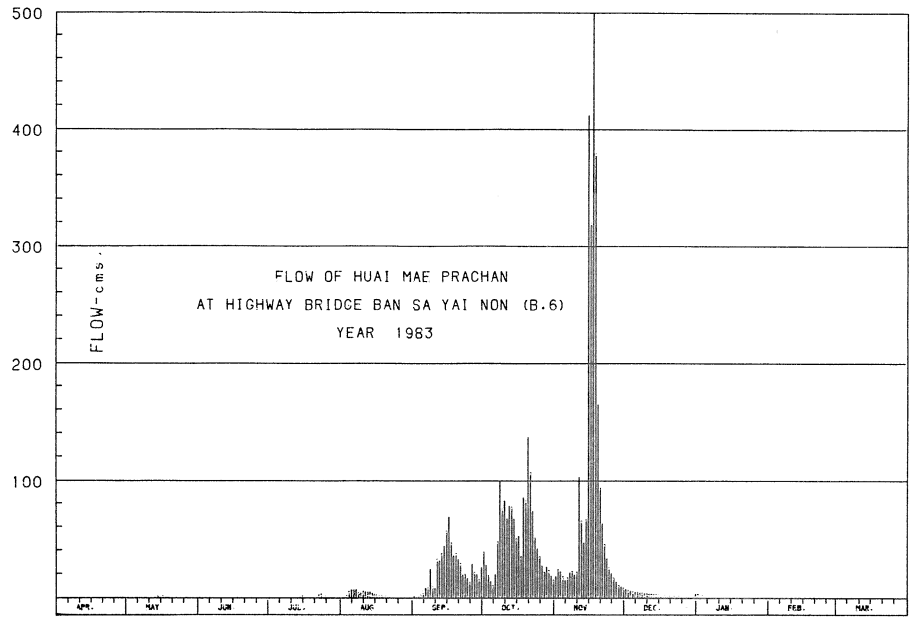
HUAI MAE PRACHAN AT BAN SA YAI NON, PHETCHABURI (B.6)

LOCATION	LAT. 12°-55'-56" N., LONG. 99°-47'-05" E., ON LEFT BANK ABOUT 250 METERS UPSTREAM FROM THE BRIDGE OF KHUAN PHET-KAENG KRACHAN RESERVOIR ROAD, AMPHOE THA YANG, PHETCHABURI.
DRAINAGE AREA	1,015 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM	+22.711 M.(M.S.L.)
BENCH MARK	B.M.-H.D.
LOCATION	NEAR THE AUTOMATIC GAGE BUILDING.
ELEVATION	+30.274 M. (M.S.L.)
GAGE READING FREQUENCY	5-TIME DAILY READINGS AT 06.00, 09.00, 12.00, 15.00 AND 18.00 HOURS.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 5 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1941 - 1942, 1961 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1961 - 1962, 1964 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1961 - 1962, 1964 TO DATE.
STABILITY OF CHANNEL REGIMES	STABLE.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS GOOD. STAGE-DISCHARGE RELATION DEFINED BY 40 DISCHARGE MEASUREMENTS MADE IN 1983.

GAGE HEIGHT IN METER (MSL), WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	23.28	23.26	23.53	23.25	23.56	23.78	24.95	24.56	24.18	23.87	23.41	23.32	
2	23.28	23.26	23.53	23.25	23.54	23.74	24.76	24.69	24.13	23.74	23.41	23.32	
3	23.28	23.24	23.53	23.25	23.75	23.81	24.58	24.65	24.10	23.69	23.41	23.32	
4	23.28	23.22	23.53	23.25	24.07	23.78	24.44	24.56	24.05	23.66	23.41	23.32	
5	23.29	23.22	23.52	23.25	24.15	24.08	24.32	24.47	24.02	23.64	23.40	23.31	
6	23.29	23.24	23.52	23.25	24.13	24.21	24.60	24.53	24.00	23.62	23.40	23.31	
7	23.29	23.24	23.51	23.25	24.16	24.23	25.08	24.63	23.97	23.61	23.39	23.31	
8	23.29	23.25	23.51	23.25	23.95	24.69	25.70	24.65	23.94	23.59	23.39	23.31	
9	23.29	23.25	23.50	23.25	23.94	24.28	25.44	24.59	23.91	23.55	23.39	23.30	
10	23.28	23.24	23.49	23.25	24.06	24.21	25.52	24.64	23.88	23.54	23.38	23.30	
11	23.28	23.24	23.47	23.25	24.04	24.85	25.34	25.74	23.86	23.53	23.42	23.30	
12	23.28	23.24	23.46	23.26	24.00	24.83	25.47	25.32	23.84	23.52	23.40	23.30	
13	23.28	23.41	23.45	23.29	24.03	24.93	25.46	25.07	23.83	23.51	23.37	23.30	
14	23.28	23.68	23.44	23.47	23.90	25.03	25.34	25.33	23.81	23.50	23.36	23.30	
15	23.28	23.54	23.43	23.59	23.83	25.21	25.12	27.60	23.79	23.50	23.36	23.30	
16	23.28	23.62	23.42	23.52	23.81	25.36	25.15	27.18	23.78	23.49	23.36	23.30	
17	23.28	23.60	23.41	23.48	23.74	25.07	24.89	28.29	23.75	23.49	23.36	23.30	
18	23.28	23.59	23.39	23.48	23.70	24.90	25.55	27.46	23.74	23.49	23.36	23.29	
19	23.28	23.57	23.38	23.49	23.67	24.93	25.52	26.27	23.69	23.47	23.35	23.29	
20	23.28	23.56	23.36	23.50	23.64	24.85	26.05	25.64	23.69	23.44	23.34	23.29	
21	23.28	23.54	23.35	23.54	23.61	24.79	25.78	25.29	23.68	23.44	23.34	23.29	
22	23.28	23.54	23.34	23.77	23.57	24.59	25.42	25.05	23.66	23.43	23.34	23.29	
23	23.28	23.54	23.33	23.85	23.55	24.60	25.13	24.86	23.65	23.41	23.34	23.30	
24	23.28	23.53	23.31	23.65	23.54	24.52	25.00	24.72	23.65	23.41	23.34	23.30	
25	23.28	23.53	23.30	23.62	23.51	24.42	24.89	24.62	23.64	23.41	23.33	23.30	
26	23.28	23.53	23.28	23.59	23.50	24.78	24.75	24.53	23.61	23.41	23.33	23.30	
27	23.27	23.53	23.27	23.75	23.48	24.64	24.64	24.43	23.60	23.41	23.32	23.30	
28	23.26	23.53	23.26	23.57	23.47	24.60	24.73	24.33	23.60	23.41	23.32	23.30	
29	23.26	23.53	23.25	23.58	23.45	24.50	24.67	24.28	23.59	23.41	23.32	23.30	
30	23.26	23.53	23.25	23.51	23.45	24.72	24.57	24.23	23.60	23.41		23.30	
31		23.53		23.54	23.47		24.48		23.86	23.41		23.29	
MEAN	23.28	23.43	23.41	23.45	23.75	24.56	25.08	25.21	23.81	23.52	23.37	23.30	
MAX	23.29	23.68	23.53	23.85	24.16	25.36	26.05	28.29	24.18	23.87	23.42	23.32	28.29
MIN	23.26	23.22	23.25	23.25	23.45	23.74	24.32	24.23	23.59	23.41	23.32	23.29	23.22

ANNUAL MAX MOMENTARY GAGE HEIGHT 28.59 M (MSL), AT 6.00 HOURS, ON NOV 17, 1983
ZERO GAGE AT BOTTOM ELEVATION 22.71 M (MSL), RIVER BED 23.12 M (MSL)
LEFT BANK ELEVATION 30.53 M (MSL)
RIGHT BANK ELEVATION 30.03 M (MSL), DRAINAGE AREA 1015 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.24	0.18	1.15	0.15	1.30	2.64	38.90	18.32	7.60	3.50	0.64	0.36	
2	0.24	0.18	1.15	0.15	1.20	2.32	27.80	24.32	6.60	2.32	0.64	0.36	
3	0.24	0.12	1.15	0.15	2.40	2.90	19.16	22.40	6.00	1.95	0.64	0.36	
4	0.24	0.06	1.15	0.15	5.64	2.64	13.94	18.32	5.40	1.80	0.64	0.36	
5	0.27	0.06	1.10	0.15	7.00	5.76	10.54	14.87	5.04	1.70	0.60	0.33	
6	0.27	0.12	1.10	0.15	6.60	8.20	20.00	17.06	4.80	1.60	0.60	0.33	
7	0.27	0.12	1.05	0.15	7.20	8.60	47.60	21.44	4.50	1.55	0.57	0.33	
8	0.27	0.15	1.05	0.15	4.30	24.32	99.00	22.40	4.20	1.45	0.57	0.33	
9	0.27	0.15	1.00	0.15	4.20	9.60	75.60	19.58	3.90	1.25	0.57	0.30	
10	0.24	0.12	0.96	0.15	5.52	8.20	82.80	21.92	3.60	1.20	0.54	0.30	
11	0.24	0.12	0.88	0.15	5.28	32.80	67.20	103.00	3.40	1.15	0.68	0.30	
12	0.24	0.12	0.84	0.18	4.80	31.60	78.30	65.60	3.20	1.10	0.60	0.30	
13	0.24	0.64	0.80	0.27	5.16	37.66	77.40	46.90	3.10	1.05	0.51	0.30	
14	0.24	1.90	0.76	0.88	3.80	44.10	67.20	66.40	2.90	1.00	0.48	0.30	
15	0.24	1.70	0.72	1.45	3.10	56.80	50.40	412.00	2.72	1.00	0.48	0.30	
16	0.24	1.60	0.68	1.10	2.90	68.80	52.50	320.00	2.64	0.96	0.48	0.30	
17	0.24	1.50	0.64	0.92	2.32	46.90	35.20	587.30	2.40	0.96	0.48	0.30	
18	0.24	1.45	0.57	0.92	2.00	35.80	85.50	379.20	2.32	0.96	0.48	0.27	
19	0.24	1.35	0.54	0.96	1.85	37.66	82.80	164.80	1.95	0.88	0.45	0.27	
20	0.24	1.30	0.48	1.00	1.70	32.80	137.00	93.60	1.95	0.76	0.42	0.27	
21	0.24	1.20	0.45	1.20	1.55	29.30	107.00	63.20	1.90	0.76	0.42	0.27	
22	0.24	1.20	0.42	2.56	1.35	19.58	73.80	45.50	1.80	0.72	0.42	0.27	
23	0.24	1.20	0.39	3.30	1.25	20.00	51.10	33.40	1.75	0.64	0.42	0.30	
24	0.24	1.15	0.33	1.75	1.20	16.64	42.00	25.80	1.75	0.64	0.42	0.30	
25	0.24	1.15	0.30	1.60	1.05	13.32	35.20	20.96	1.70	0.64	0.39	0.30	
26	0.24	1.15	0.24	1.45	1.00	28.80	27.30	17.06	1.55	0.64	0.39	0.30	
27	0.21	1.15	0.21	2.40	0.92	21.92	21.92	13.63	1.50	0.64	0.36	0.30	
28	0.18	1.15	0.18	1.35	0.88	20.00	26.30	10.81	1.50	0.64	0.36	0.30	
29	0.18	1.15	0.15	1.40	0.80	15.80	23.36	9.60	1.45	0.64	0.36	0.30	
30	0.18	1.15	0.15	1.05	0.80	25.80	18.74	8.60	1.50	0.64		0.30	
31		1.15		1.20	0.88		15.18		3.40	0.64		0.27	
TOTAL	7.14	25.74	20.59	28.59	89.95	711.26	1610.74	2687.99	98.02	35.38	14.61	9.48	5339.49 CMSDAY
MEAN	0.24	0.83	0.69	0.92	2.90	23.71	51.96	89.60	3.16	1.14	0.50	0.31	14.59 CMS
MAX	0.27	1.90	1.15	3.30	7.20	68.80	137.00	587.30	7.60	3.50	0.68	0.36	587.30 CMS
MIN	0.18	0.06	0.15	0.15	0.80	2.32	10.54	8.60	1.45	0.64	0.36	0.27	0.06 CMS
RUNOFF	0.617	2.224	1.779	2.470	7.772	61.453	139.168	232.242	8.469	3.057	1.262	0.819	461.332 MCM

MOMENTARY PEAK 675.00 CMS, AT 28.59 M (MSL), AT 6.00 HOURS, ON NOV 17, 1983

RUNOFF YIELD 14.37 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 665.02 LITERS/SECOND/SQUARE KM

WATER YEAR 1983

PHETCHABURI RIVER BASIN

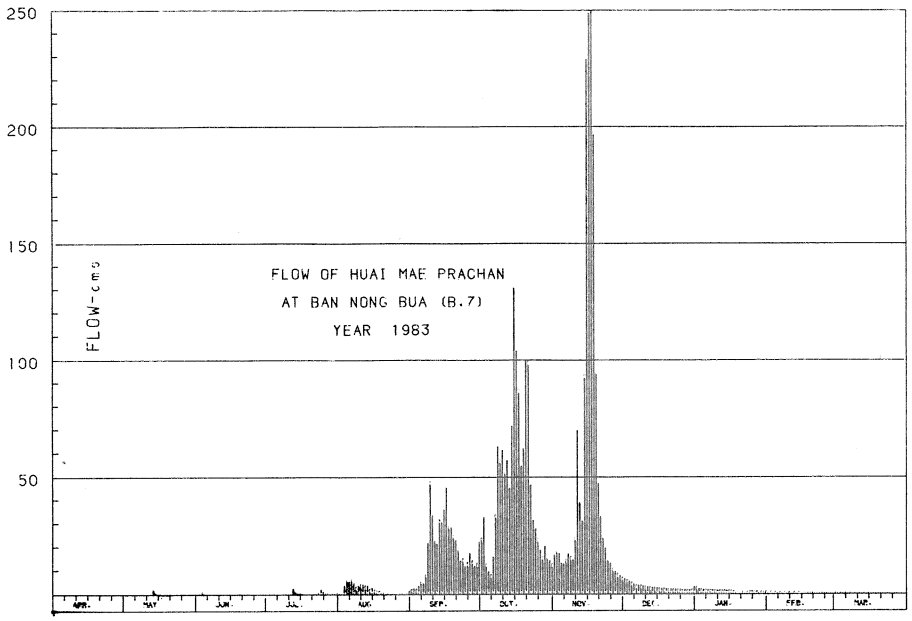
HUAI MAE PRACHAN AT BAN NONG BUA, PHETCHABURI (B.7)

LOCATION	LAT. 13°-01'-45" N., LONG. 99°-44'-00" E., ON LEFT BANK AT BAN NONG BUA, AMPHOE THA YANG, PHETCHABURI.
DRAINAGE AREA	846 SQ.KM.
TYPE OF GAGE	WATER-STAGE RECORDER.
ZERO GAGE AT BOTTOM	+0.00 M. (A.D.)
BENCH MARK	B.M.-H.D.
LOCATION	INFRONT OF STATION OFFICE.
ELEVATION	+10.495 M. (A.D.)
GAGE READING FREQUENCY	RECORDING.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 24 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1967 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1967 - 1981, 1984 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1967 - 1981, 1984 TO DATE.
STABILITY OF CHANNEL REGIMES	STABLE.
OVERBANK FLOW CONDITIONS	OVERBANK FLOW STARTS AT ELEVATION +6.53 M.(A.D.) AND IS INCLUDED.
GENERAL DESCRIPTION	RECORDS FAIR. STAGE-DISCHARGE RELATION DEFINED BY 91 DISCHARGE MEASUREMENTS MADE IN 1981.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.78	0.73	0.74	0.71	1.03	1.46	3.46	2.99	2.09	1.63	1.15	0.96	
2	0.79	0.71	1.00	0.71	1.07	1.54	3.94	3.16	2.03	1.49	1.15	0.95	
3	0.79	0.71	1.25	0.74	1.74	1.49	2.71	3.04	1.97	1.44	1.14	0.95	
4	0.79	0.71	0.96	0.74	2.07	1.72	2.44	2.84	1.92	1.41	1.13	0.94	
5	0.80	0.70	0.85	0.74	1.96	1.95	2.29	2.71	1.83	1.39	1.12	0.94	
6	0.79	0.71	0.81	0.74	2.10	1.86	2.94	2.86	1.77	1.38	1.11	0.94	
7	0.79	0.70	0.78	0.73	1.89	2.30	3.99	3.03	1.76	1.37	1.11	0.94	
8	0.78	0.86	0.76	0.74	1.67	3.33	5.04	2.95	1.76	1.36	1.11	0.94	
9	0.78	0.86	0.75	0.74	1.74	4.57	4.88	2.85	1.72	1.36	1.11	0.94	
10	0.77	0.70	0.74	0.75	1.82	3.98	5.00	3.47	1.69	1.33	1.10	0.94	
11	0.78	0.72	0.73	0.87	1.81	3.42	4.72	5.21	1.66	1.32	1.10	0.94	
12	0.78	0.92	0.73	1.53	1.75	3.31	4.87	4.27	1.64	1.31	1.10	0.94	
13	0.78	1.41	0.72	1.14	1.74	3.89	4.52	3.86	1.61	1.31	1.10	0.93	
14	0.78	0.98	0.72	1.08	1.54	3.83	5.26	5.78	1.59	1.30	1.10	0.92	
15	0.77	0.98	0.72	1.06	1.59	4.16	6.50	7.73	1.57	1.30	1.09	0.92	
16	0.75	0.85	0.72	0.96	1.44	4.48	6.00	8.15	1.54	1.30	1.07	0.91	
17	0.74	0.80	0.72	0.81	1.33	3.75	5.64	8.29	1.53	1.23	1.05	0.91	
18	0.73	0.80	0.72	0.87	1.27	3.71	4.79	7.38	1.52	1.18	1.03	0.90	
19	0.75	0.86	0.72	0.88	1.21	3.53	5.05	5.79	1.51	1.17	1.04	0.90	
20	0.76	0.83	0.72	0.89	1.18	3.40	5.92	4.57	1.49	1.16	0.99	0.90	
21	0.76	0.81	0.72	0.90	1.12	3.21	5.91	3.96	1.48	1.15	0.98	0.90	
22	0.72	0.77	0.71	0.92	1.10	2.81	4.52	3.53	1.46	1.13	0.98	0.90	
23	0.72	0.76	0.70	1.07	1.07	2.88	3.94	3.20	1.45	1.14	0.97	0.90	
24	0.72	0.77	0.70	1.45	1.05	2.62	3.68	2.92	1.43	1.20	0.97	0.90	
25	0.72	0.77	0.70	1.19	1.02	2.76	3.45	2.73	1.42	1.20	0.97	0.90	
26	0.72	0.76	0.70	1.14	1.02	3.05	3.14	2.56	1.41	1.20	0.97	0.90	
27	0.72	0.76	0.70	1.09	1.01	2.82	2.95	2.43	1.40	1.19	0.96	0.90	
28	0.73	0.76	0.70	1.03	0.99	2.63	3.25	2.33	1.40	1.18	0.96	0.90	
29	0.73	0.77	0.70	0.99	0.99	2.73	2.99	2.24	1.39	1.17	0.96	0.90	
30	0.73	0.77	0.71	1.09	0.97	3.36	2.82	2.15	1.41	1.17		0.90	
31		0.76		1.06	1.24		2.72		1.67	1.17		0.90	
MEAN	0.76	0.81	0.76	0.95	1.40	3.02	4.17	3.97	1.62	1.28	1.06	0.92	
MAX	0.80	1.41	1.25	1.53	2.10	4.57	6.50	8.29	2.09	1.63	1.15	0.96	8.29
MIN	0.72	0.70	0.70	0.71	0.97	1.46	2.29	2.15	1.39	1.13	0.96	0.90	0.70

ANNUAL MAX MOMENTARY GAGE HEIGHT 8.84 M (A.D), AT 18.00 HOURS, ON NOV 16, 1983
ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D), RIVER BED 0.32 M (A.D)
LEFT BANK ELEVATION 11.40 M (A.D)
RIGHT BANK ELEVATION 6.52 M (A.D), DRAINAGE AREA 846 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.07	0.00	0.00	0.00	0.49	2.14	24.02	16.66	6.61	2.99	0.90	0.34	
2	0.10	0.00	0.40	0.00	0.61	2.51	32.80	19.10	6.07	2.26	0.90	0.33	
3	0.10	0.00	1.30	0.00	3.68	2.26	12.93	17.36	5.53	2.06	0.86	0.33	
4	0.10	0.00	0.34	0.00	6.43	3.54	9.80	14.62	5.08	1.94	0.82	0.31	
5	0.12	0.00	0.19	0.00	5.44	5.35	8.41	12.93	4.34	1.86	0.78	0.31	
6	0.10	0.00	0.13	0.00	6.70	4.58	15.96	14.88	3.89	1.82	0.74	0.31	
7	0.10	0.00	0.07	0.00	4.82	8.50	33.80	17.22	3.82	1.78	0.74	0.31	
8	0.07	0.20	0.02	0.00	3.23	21.81	63.10	16.10	3.82	1.74	0.74	0.31	
9	0.07	0.20	0.00	0.00	3.68	48.10	57.40	14.75	3.54	1.74	0.74	0.31	
10	0.05	0.00	0.00	0.00	4.26	33.60	61.50	24.19	3.34	1.62	0.70	0.31	
11	0.07	0.00	0.00	0.21	4.18	23.34	52.60	69.90	3.17	1.58	0.70	0.31	
12	0.07	0.28	0.00	2.46	3.75	21.47	57.10	40.08	3.05	1.54	0.70	0.31	
13	0.07	1.94	0.00	0.86	3.68	31.81	46.60	31.24	2.88	1.54	0.70	0.30	
14	0.07	0.37	0.00	0.64	2.51	30.67	71.90	93.60	2.77	1.50	0.70	0.28	
15	0.05	0.37	0.00	0.58	2.77	37.52	132.00	229.00	2.66	1.50	0.67	0.28	
16	0.00	0.19	0.00	0.34	2.06	45.46	104.00	271.00	2.51	1.50	0.61	0.27	
17	0.00	0.12	0.00	0.13	1.62	29.20	87.30	285.45	2.46	1.22	0.55	0.27	
18	0.00	0.12	0.00	0.21	1.38	28.48	54.70	197.80	2.40	1.02	0.49	0.25	
19	0.00	0.20	0.00	0.22	1.14	25.24	63.50	94.05	2.35	0.98	0.52	0.25	
20	0.02	0.16	0.00	0.24	1.02	23.00	100.00	48.10	2.26	0.94	0.39	0.25	
21	0.02	0.13	0.00	0.25	0.78	19.86	99.50	33.20	2.22	0.90	0.37	0.25	
22	0.00	0.05	0.00	0.28	0.70	14.23	46.60	25.24	2.14	0.82	0.37	0.25	
23	0.00	0.02	0.00	0.61	0.61	15.14	32.80	19.70	2.10	0.86	0.36	0.25	
24	0.00	0.05	0.00	2.10	0.55	11.84	27.94	15.68	2.02	1.10	0.36	0.25	
25	0.00	0.05	0.00	1.06	0.46	13.58	23.85	13.19	1.98	1.10	0.36	0.25	
26	0.00	0.02	0.00	0.86	0.46	17.50	18.80	11.12	1.94	1.10	0.36	0.25	
27	0.00	0.02	0.00	0.67	0.43	14.36	16.10	9.70	1.90	1.06	0.34	0.25	
28	0.00	0.02	0.00	0.49	0.39	11.96	20.50	8.77	1.90	1.02	0.34	0.25	
29	0.00	0.05	0.00	0.39	0.39	13.19	16.66	7.96	1.86	0.98	0.34	0.25	
30	0.00	0.05	0.00	0.67	0.36	22.32	14.36	7.15	1.94	0.98		0.25	
31		0.02		0.58	1.26		13.06		3.23	0.98		0.25	
TOTAL	1.25	4.63	2.45	13.85	69.84	582.56	1419.59	1679.74	95.78	44.03	17.15	8.69	3939.56 CMSDAY
MEAN	0.04	0.15	0.08	0.45	2.25	19.42	45.79	55.99	3.09	1.42	0.59	0.28	10.76 CMS
MAX	0.12	1.94	1.30	2.46	6.70	48.10	132.00	285.45	6.61	2.99	0.90	0.34	285.45 CMS
MIN	0.00	0.00	0.00	0.00	0.36	2.14	8.41	7.15	1.86	0.82	0.34	0.25	0.00 CMS
RUNOFF	0.108	0.400	0.212	1.197	6.034	50.333	122.653	145.130	8.275	3.804	1.482	0.751	340.378 MCM

MOMENTARY PEAK 349.80 CMS, AT 8.84 M (A.D), AT 18.00 HOURS, ON NOV 16, 1983

RUNOFF YIELD 12.72 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 413.48 LITERS/SECOND/SQUARE KM

WATER YEAR 1983

PHETCHABURI RIVER BASIN

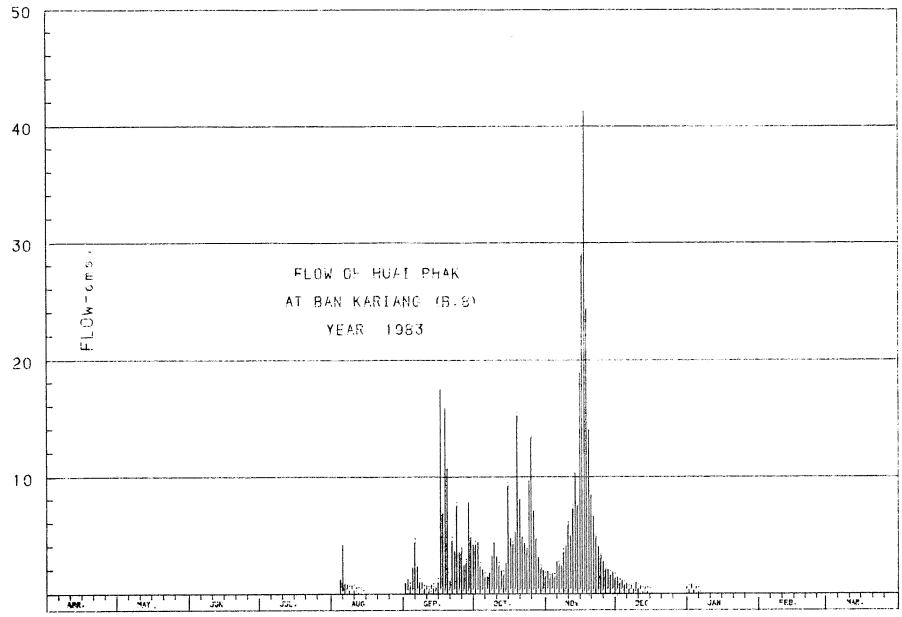
HUAI PHAK AT BAN KARIANG, PHETCHABURI (B.8)

LOCATION	LAT. 12°-48'-49" N., LONG. 99°-41'-32" E., ON LEFT BANK AT BAN KARIANG, TAMBON SONG PHI NONG, AMPHOE THA YANG, PHETCHABURI.
DRAINAGE AREA	264 SQ.KM.
TYPE OF GAGE	WATER-STAGE RECORDER.
ZERO GAGE AT BOTTOM	+0.00 M. (A.D.)
BENCH MARK	B.M.-H.D.
LOCATION	INFRONT OF GAGE OBSERVER'S HOUSE.
ELEVATION	+8.879 M. (A.D.)
GAGE READING FREQUENCY	RECORDING.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 24 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1973 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1973 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1973 TO DATE.
STABILITY OF CHANNEL REGIMES	STABLE.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS POOR. NO RECORDS ON MAY 1-31, 1983. FLOW EFFECTED BY THE WEIR. STAGE-DISCHARGE RELATION DEFINED BY 32 DISCHARGE MEASUREMENTS MADE IN 1983.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.99	*******	0.74	0.58	0.59	2.05	2.63	2.27	2.18	1.95	1.63	1.54	
2	0.98	*******	0.74	0.59	0.59	2.13	2.62	2.23	2.12	1.97	1.65	1.53	
3	0.97	*******	0.74	0.60	0.62	2.02	2.40	2.24	2.09	1.93	1.63	1.53	
4	0.96	*******	0.74	0.60	2.14	2.33	2.30	2.24	2.06	1.90	1.62	1.54	
5	0.93	*******	0.74	0.59	2.60	2.65	2.25	2.41	2.01	1.89	1.62	1.54	
6	0.91	*******	0.73	0.59	2.11	2.34	2.19	2.41	1.95	1.87	1.61	1.54	
7	0.90	*******	0.73	0.59	1.98	2.15	2.31	2.35	1.94	1.86	1.60	1.53	
8	0.89	*******	0.70	0.59	1.94	2.03	2.48	2.56	1.97	1.84	1.60	1.53	
9	0.89	*******	0.68	0.58	1.95	1.95	2.65	2.59	2.03	1.79	1.58	1.52	
10	0.88	*******	0.66	0.57	1.96	1.94	2.47	2.77	1.98	1.77	1.58	1.52	
11	0.87	*******	0.63	0.56	1.90	1.92	2.40	2.67	1.93	1.70	1.58	1.52	
12	0.86	*******	0.61	0.56	1.89	1.96	2.28	2.89	1.90	1.69	1.57	1.47	
13	0.85	*******	0.59	0.56	1.89	2.00	2.28	3.08	1.89	1.69	1.59	1.46	
14	0.84	*******	0.58	0.57	1.82	1.89	2.39	2.91	1.89	1.69	1.61	1.46	
15	0.82	*******	0.57	0.57	1.79	2.15	3.03	3.54	1.88	1.69	1.62	1.47	
16	0.81	*******	0.57	0.58	1.76	3.47	2.65	4.00	1.87	1.67	1.60	1.47	
17	0.81	*******	0.57	0.59	1.73	2.86	2.62	4.45	1.87	1.65	1.59	1.47	
18	0.81	*******	0.56	0.59	1.72	3.39	2.70	3.81	1.84	1.65	1.59	1.47	
19	0.81	*******	0.55	0.59	1.72	3.12	3.37	3.29	1.82	1.68	1.58	1.42	
20	0.79	*******	0.55	0.59	1.71	2.08	2.93	2.98	1.80	1.68	1.57	1.42	
21	0.77	*******	0.55	0.60	1.71	2.66	2.69	2.81	1.77	1.67	1.55	1.42	
22	0.75	*******	0.56	0.60	1.69	2.53	2.61	2.68	1.76	1.65	1.56	1.42	
23	0.74	*******	0.56	0.61	1.68	2.91	2.56	2.58	1.75	1.64	1.56	1.42	
24	0.73	*******	0.57	0.61	1.68	2.52	3.04	2.50	1.73	1.64	1.55	1.41	
25	0.72	*******	0.57	0.61	1.67	2.57	3.27	2.41	1.71	1.64	1.56	1.41	
26	0.71	*******	0.56	0.61	1.65	2.36	2.85	2.35	1.72	1.64	1.58	1.36	
27	0.71	*******	0.56	0.60	1.65	2.44	2.67	2.30	1.73	1.65	1.57	1.33	
28	0.71	*******	0.57	0.60	1.66	2.91	2.46	2.28	1.73	1.65	1.55	1.34	
29	0.72	*******	0.57	0.60	1.63	2.69	2.36	2.26	1.75	1.64	1.55	1.33	
30	0.69	*******	0.58	0.59	1.64	2.60	2.29	2.24	1.79	1.64		1.32	
31		*******		0.59	1.68		2.26		1.90	1.63		1.30	
MEAN	0.83	*******	0.62	0.59	1.70	2.42	2.58	2.74	1.88	1.73	1.59	1.45	
MAX	0.99	*******	0.74	0.61	2.60	3.47	3.37	4.45	2.18	1.97	1.65	1.54	4.45
MIN	0.69	*******	0.55	0.56	0.59	1.89	2.19	2.23	1.71	1.63	1.55	1.30	*******

ANNUAL MAX MOMENTARY GAGE HEIGHT 5.95 M (A.D), AT 21.00 HOURS, ON NOV 16, 1983
ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D), RIVER BED 0.42 M (A.D)
LEFT BANK ELEVATION 7.00 M (A.D)
RIGHT BANK ELEVATION 7.74 M (A.D), DRAINAGE AREA 264 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.00	*******	0.00	0.00	0.00	1.05	4.53	1.92	1.44	0.75	0.06	0.02	
2	0.00	*******	0.00	0.00	0.00	1.29	4.42	1.68	1.26	0.81	0.07	0.01	
3	0.00	*******	0.00	0.00	0.00	0.96	2.70	1.74	1.17	0.69	0.06	0.01	
4	0.00	*******	0.00	0.00	1.32	2.28	2.10	1.74	1.08	0.60	0.06	0.02	
5	0.00	*******	0.00	0.00	4.20	4.75	1.80	2.77	0.93	0.57	0.06	0.02	
6	0.00	*******	0.00	0.00	1.23	2.34	1.47	2.77	0.75	0.51	0.05	0.02	
7	0.00	*******	0.00	0.00	0.84	1.35	2.16	2.40	0.72	0.48	0.05	0.01	
8	0.00	*******	0.00	0.00	0.72	0.99	3.26	3.88	0.81	0.42	0.05	0.01	
9	0.00	*******	0.00	0.00	0.75	0.75	4.75	4.12	0.99	0.28	0.04	0.01	
10	0.00	*******	0.00	0.00	0.78	0.72	3.19	6.14	0.84	0.24	0.04	0.01	
11	0.00	*******	0.00	0.00	0.60	0.66	2.70	4.97	0.69	0.10	0.04	0.01	
12	0.00	*******	0.00	0.00	0.57	0.78	1.98	7.58	0.60	0.10	0.04	0.00	
13	0.00	*******	0.00	0.00	0.57	0.90	1.98	10.36	0.57	0.10	0.05	0.00	
14	0.00	*******	0.00	0.00	0.36	0.57	2.64	7.83	0.57	0.10	0.05	0.00	
15	0.00	*******	0.00	0.00	0.28	1.35	9.51	18.90	0.54	0.10	0.06	0.00	
16	0.00	*******	0.00	0.00	0.22	17.50	4.75	29.20	0.51	0.08	0.05	0.00	
17	0.00	*******	0.00	0.00	0.16	7.22	4.42	41.30	0.51	0.07	0.05	0.00	
18	0.00	*******	0.00	0.00	0.14	15.91	5.30	24.64	0.42	0.07	0.05	0.00	
19	0.00	*******	0.00	0.00	0.14	11.04	15.53	14.02	0.36	0.09	0.04	0.00	
20	0.00	*******	0.00	0.00	0.12	1.14	8.09	8.74	0.30	0.09	0.04	0.00	
21	0.00	*******	0.00	0.00	0.12	4.86	5.19	6.62	0.24	0.08	0.02	0.00	
22	0.00	*******	0.00	0.00	0.10	3.64	4.31	5.08	0.22	0.07	0.03	0.00	
23	0.00	*******	0.00	0.00	0.09	7.83	3.88	4.04	0.20	0.07	0.03	0.00	
24	0.00	*******	0.00	0.00	0.09	3.56	9.68	3.40	0.16	0.07	0.02	0.00	
25	0.00	*******	0.00	0.00	0.08	3.96	13.66	2.77	0.12	0.07	0.03	0.00	
26	0.00	*******	0.00	0.00	0.07	2.46	7.10	2.40	0.14	0.07	0.04	0.00	
27	0.00	*******	0.00	0.00	0.07	2.98	4.97	2.10	0.16	0.07	0.04	0.00	
28	0.00	*******	0.00	0.00	0.08	7.83	3.12	1.98	0.16	0.07	0.02	0.00	
29	0.00	*******	0.00	0.00	0.06	5.19	2.46	1.86	0.20	0.07	0.02	0.00	
30	0.00	*******	0.00	0.00	0.07	4.20	2.04	1.74	0.28	0.07		0.00	
31		*******		0.00	0.09		1.86		0.60	0.06		0.00	
TOTAL	0.00	*******	0.00	0.00	13.92	120.06	145.55	228.69	17.54	7.02	1.26	0.15	******** CMSDAY
MEAN	0.00	*******	0.00	0.00	0.45	4.00	4.70	7.62	0.57	0.23	0.04	0.00	******** CMS
MAX	0.00	*******	0.00	0.00	4.20	17.50	15.53	41.30	1.44	0.81	0.07	0.02	41.30 CMS
MIN	0.00	*******	0.00	0.00	0.00	0.57	1.47	1.68	0.12	0.06	0.02	0.00	******** CMS
RUNOFF	0.000	*******	0.000	0.000	1.203	10.373	12.576	19.759	1.515	0.607	0.109	0.013	******** MCM

MOMENTARY PEAK 97.40 CMS, AT 5.95 M (A.D), AT 21.00 HOURS, ON NOV 16, 1983

RUNOFF YIELD ********* LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 368.94 LITERS/SECOND/SQUARE KM

WATER YEAR 1983
WEST COAST-GULF BASIN

KHLONG KUI AT BAN PONG KASANG, PRACHUAP KHIRI KHAN (KY.2)

LOCATION — LAT. 12°-06'-55" N., LONG. 99-44-20 E., ON RIGHT BANK AT THE CULVERT OF THE LEFT IRRIGATION CANAL OF YANG CHUM PROJECT, BAN PONG KASANG, TAMBON HAT KHAM, AMPHOE KUI BURI, PRACHUAP KHIRI KHAN.

DRAINAGE AREA — 92 SQ.KM.

TYPE OF GAGE — STAFF GAGE.

ZERO GAGE AT BOTTOM — +0.00 M.(A.D.)

BENCH MARK — B.M.-H.D.

LOCATION — ON RIGHT BANK AT THE MEASURING LINE.

ELEVATION — +7.405 M.(A.D.)

GAGE READING FREQUENCY — 5-TIME DAILY READINGS AT 06.00, 09.00, 12.00, 15.00 AND 18.00 HOURS.

BASIS OF MEAN DAILY GAGE HEIGHT — ARITHMETIC MEAN OF 5 READINGS.

PERIOD OF AVAILABLE GAGE RECORDS — 1979 TO DATE.

RATING OPERATION

PERIOD OF RATING — 1979 TO DATE.

RATED BY FLOAT — -

RATED BY CURRENT METER — 1979 TO DATE.

STABILITY OF CHANNEL REGIMES — FAIRLY STABLE.

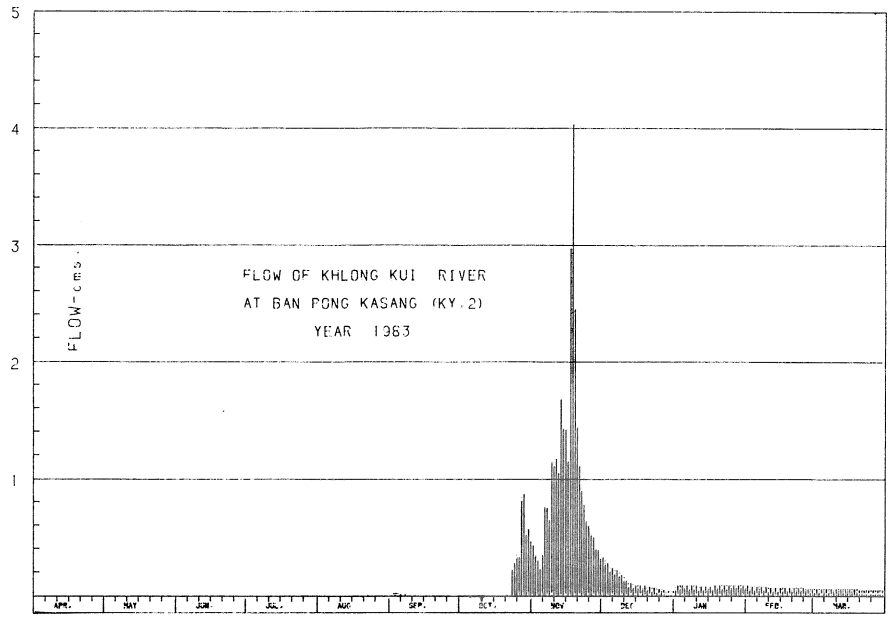
OVERBANK FLOW CONDITIONS — NO OVERBANK FLOW.

GENERAL DESCRIPTION — RECORDS FAIR. STAGE-DISCHARGE RELATION DEFINED BY 41 DISCHARGE MEASUREMENTS MADE 1983.

GAGE HEIGHT IN METER (AD), WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.00	0.00	0.00	0.00	0.00	0.14	0.10	0.50	0.45	0.24	0.25	0.22	
2	0.00	0.00	0.00	0.00	0.00	0.14	0.09	0.47	0.43	0.26	0.24	0.22	
3	0.00	0.00	0.00	0.00	0.00	0.14	0.09	0.43	0.42	0.26	0.24	0.22	
4	0.00	0.00	0.00	0.00	0.00	0.14	0.10	0.41	0.40	0.25	0.24	0.22	
5	0.00	0.00	0.00	0.00	0.00	0.13	0.09	0.46	0.40	0.25	0.24	0.22	
6	0.00	0.00	0.00	0.00	0.00	0.13	0.09	0.64	0.38	0.25	0.24	0.22	
7	0.00	0.00	0.00	0.00	0.00	0.12	0.09	0.63	0.38	0.25	0.24	0.22	
8	0.00	0.00	0.00	0.00	0.00	0.13	0.08	0.60	0.36	0.25	0.24	0.22	
9	0.00	0.00	0.00	0.00	0.00	0.13	0.08	0.76	0.35	0.25	0.24	0.22	
10	0.00	0.00	0.00	0.00	0.00	0.13	0.09	0.76	0.33	0.25	0.23	0.22	
11	0.00	0.00	0.00	0.00	0.00	0.13	0.09	0.77	0.30	0.24	0.23	0.22	
12	0.00	0.00	0.00	0.00	0.00	0.12	0.09	0.74	0.28	0.24	0.23	0.22	
13	0.00	0.00	0.00	0.00	0.01	0.12	0.09	0.91	0.28	0.24	0.23	0.22	
14	0.00	0.00	0.00	0.00	0.03	0.12	0.10	0.85	0.27	0.24	0.23	0.22	
15	0.00	0.00	0.00	0.00	0.04	0.12	0.11	0.84	0.26	0.24	0.23	0.22	
16	0.00	0.00	0.00	0.00	0.06	0.12	0.10	0.77	0.26	0.24	0.23	0.22	
17	0.00	0.00	0.00	0.00	0.06	0.11	0.09	1.20	0.26	0.24	0.23	0.22	
18	0.00	0.00	0.00	0.00	0.07	0.11	0.07	1.41	0.25	0.25	0.23	0.22	
19	0.00	0.00	0.00	0.00	0.08	0.12	0.10	1.09	0.25	0.25	0.23	0.22	
20	0.00	0.00	0.00	0.00	0.10	0.12	0.11	0.85	0.24	0.25	0.23	0.21	
21	0.00	0.00	0.00	0.00	0.11	0.12	0.12	0.75	0.24	0.25	0.23	0.21	
22	0.00	0.00	0.00	0.00	0.12	0.13	0.13	0.69	0.23	0.25	0.23	0.21	
23	0.00	0.00	0.00	0.00	0.12	0.13	0.40	0.64	0.23	0.25	0.23	0.21	
24	0.00	0.00	0.00	0.00	0.13	0.13	0.42	0.60	0.22	0.25	0.23	0.21	
25	0.00	0.00	0.00	0.00	0.13	0.13	0.46	0.57	0.22	0.25	0.23	0.21	
26	0.00	0.00	0.00	0.00	0.13	0.12	0.45	0.55	0.22	0.25	0.22	0.21	
27	0.00	0.00	0.00	0.00	0.13	0.11	0.66	0.53	0.21	0.25	0.22	0.21	
28	0.00	0.00	0.00	0.00	0.13	0.11	0.67	0.50	0.20	0.25	0.22	0.21	
29	0.00	0.00	0.00	0.00	0.13	0.10	0.55	0.48	0.19	0.25	0.22	0.21	
30	0.00	0.00	0.00	0.00	0.13	0.10	0.56	0.46	0.20	0.25		0.21	
31		0.00		0.00	0.13		0.53		0.20	0.25		0.21	
MEAN	0.00	0.00	0.00	0.00	0.06	0.12	0.22	0.70	0.29	0.25	0.23	0.22	
MAX	0.00	0.00	0.00	0.00	0.13	0.14	0.67	1.41	0.45	0.26	0.25	0.22	1.41
MIN	0.00	0.00	0.00	0.00	0.00	0.10	0.07	0.41	0.19	0.24	0.22	0.21	0.00

ANNUAL MAX MOMENTARY GAGE HEIGHT — 1.47 M (AD), AT 14.00 HOURS, ON NOV 18, 1983
ZERO GAGE AT BOTTOM ELEVATION — 0.00 M (AD), RIVER BED -0.02 M (AD)
LEFT BANK ELEVATION — 5.19 M (AD)
RIGHT BANK ELEVATION — 7.03 M (AD), DRAINAGE AREA 92 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.00	0.00	0.00	0.00	0.00	0.02	0.00	0.43	0.33	0.08	0.09	0.06	
2	0.00	0.00	0.00	0.00	0.00	0.02	0.00	0.37	0.30	0.09	0.08	0.06	
3	0.00	0.00	0.00	0.00	0.00	0.02	0.00	0.30	0.28	0.09	0.08	0.06	
4	0.00	0.00	0.00	0.00	0.00	0.02	0.00	0.26	0.24	0.09	0.08	0.06	
5	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.35	0.24	0.09	0.08	0.06	
6	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.78	0.22	0.09	0.08	0.06	
7	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.75	0.22	0.09	0.08	0.06	
8	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.67	0.20	0.09	0.08	0.06	
9	0.00	0.00	0.00	0.00	0.00	0.01	0.00	1.14	0.18	0.09	0.08	0.06	
10	0.00	0.00	0.00	0.00	0.00	0.01	0.00	1.14	0.16	0.09	0.07	0.06	
11	0.00	0.00	0.00	0.00	0.00	0.01	0.00	1.17	0.13	0.08	0.07	0.06	
12	0.00	0.00	0.00	0.00	0.00	0.01	0.00	1.08	0.11	0.08	0.07	0.06	
13	0.00	0.00	0.00	0.00	0.00	0.01	0.00	1.68	0.11	0.08	0.07	0.06	
14	0.00	0.00	0.00	0.00	0.00	0.01	0.00	1.46	0.10	0.08	0.07	0.06	
15	0.00	0.00	0.00	0.00	0.00	0.01	0.00	1.42	0.09	0.08	0.07	0.06	
16	0.00	0.00	0.00	0.00	0.00	0.01	0.00	1.17	0.09	0.08	0.07	0.06	
17	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.97	0.09	0.08	0.07	0.06	
18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.06	0.09	0.09	0.07	0.06	
19	0.00	0.00	0.00	0.00	0.00	0.01	0.00	2.45	0.09	0.09	0.07	0.06	
20	0.00	0.00	0.00	0.00	0.00	0.01	0.00	1.46	0.08	0.09	0.07	0.05	
21	0.00	0.00	0.00	0.00	0.00	0.01	0.01	1.11	0.08	0.09	0.07	0.05	
22	0.00	0.00	0.00	0.00	0.01	0.01	0.01	0.92	0.07	0.09	0.07	0.05	
23	0.00	0.00	0.00	0.00	0.01	0.01	0.24	0.78	0.07	0.09	0.07	0.05	
24	0.00	0.00	0.00	0.00	0.01	0.01	0.28	0.67	0.06	0.09	0.07	0.05	
25	0.00	0.00	0.00	0.00	0.01	0.01	0.35	0.60	0.06	0.09	0.07	0.05	
26	0.00	0.00	0.00	0.00	0.01	0.01	0.33	0.55	0.06	0.09	0.06	0.05	
27	0.00	0.00	0.00	0.00	0.01	0.00	0.84	0.50	0.05	0.09	0.06	0.05	
28	0.00	0.00	0.00	0.00	0.01	0.00	0.87	0.43	0.04	0.09	0.06	0.05	
29	0.00	0.00	0.00	0.00	0.01	0.00	0.55	0.39	0.04	0.09	0.06	0.05	
30	0.00	0.00	0.00	0.00	0.01	0.00	0.57	0.35	0.04	0.09		0.05	
31		0.00		0.00	0.01		0.50		0.04	0.09		0.05	
TOTAL	0.00	0.00	0.00	0.00	0.10	0.28	4.55	31.41	3.96	2.71	2.09	1.74	46.84 CMSDAY
MEAN	0.00	0.00	0.00	0.00	0.00	0.01	0.15	1.05	0.13	0.09	0.07	0.06	0.13 CMS
MAX	0.00	0.00	0.00	0.00	0.01	0.02	0.87	4.06	0.33	0.09	0.09	0.06	4.06 CMS
MIN	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.26	0.04	0.08	0.06	0.05	0.00 CMS
RUNOFF	0.000	0.000	0.000	0.000	0.009	0.024	0.393	2.714	0.342	0.234	0.181	0.150	4.047 MCM

MOMENTARY PEAK 4.41 CMS, AT 1.47 M (AD), AT 14.00 HOURS, ON NOV 18, 1983

RUNOFF YIELD 1.39 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 47.37 LITERS/SECOND/SQUARE KM

WATER YEAR 1983

WEST COAST-GULF BASIN

KHLONG BUNG AT BAN WANG SAI DING, PRACHUAP KHIRI KHAN (GT.5)

LOCATION — LAT. 11°-55'-46" N., LONG. 99°-42'-56" E., ON RIGHT BANK AT BAN WANG SAI DING, TAMBON AO NOI, AMPHOE MUANG, PRACHUAP KHIRI KHAN.

DRAINAGE AREA — 141 SQ.KM.

TYPE OF GAGE — STAFF GAGE.

ZERO GAGE AT BOTTOM — +0.00 M.(A.D.)

BENCH MARK — B.M.-H.D.

LOCATION — ABOUT 3 METERS EAST OF STATION OFFICE.

ELEVATION — +5.665 M.(A.D.)

GAGE READING FREQUENCY — 16-TIME DAILY READINGS AT 03.00, 06.00-18.00, 21.00 AND 24.00 HOURS.

BASIS OF MEAN DAILY GAGE HEIGHT — ARITHMETIC MEAN OF 16 READINGS.

PERIOD OF AVAILABLE GAGE RECORDS — 1975 TO DATE.

RATING OPERATION

PERIOD OF RATING — 1975 - 1979, 1981 - 1983.

RATED BY FLOAT — -

RATED BY CURRENT METER — 1975 - 1979, 1981 - 1983.

STABILITY OF CHANNEL REGIMES — STABLE.

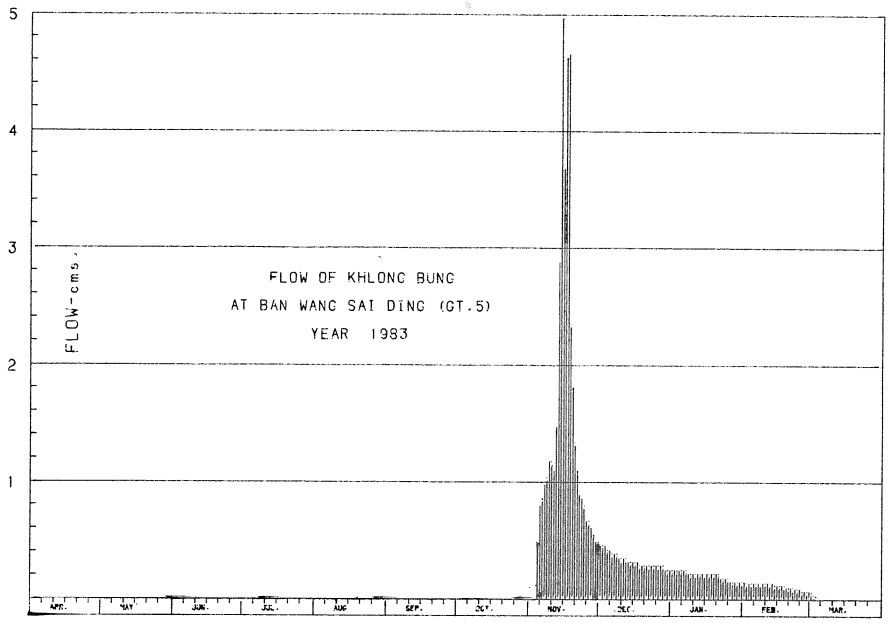
OVERBANK FLOW CONDITIONS — NO OVERBANK FLOW.

GENERAL DESCRIPTION — RECORDS POOR. STAGE-DISCHARGE RELATION DEFINED BY 37 DISCHARGE MEASUREMENTS MADE IN 1983.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.19	0.00	0.00	0.00	0.00	0.00	0.00	0.08	1.79	1.73	1.70	1.64	
2	0.14	0.00	0.00	0.00	0.00	0.00	0.00	0.95	1.79	1.73	1.69	1.63	
3	0.07	0.00	0.00	0.00	0.00	0.00	0.00	1.60	1.79	1.73	1.69	1.62	
4	0.01	0.00	0.00	0.00	0.00	0.00	0.00	1.80	1.78	1.73	1.69	1.62	
5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.85	1.78	1.73	1.69	1.62	
6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.86	1.77	1.73	1.69	1.61	
7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.88	1.77	1.73	1.69	1.60	
8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.89	1.77	1.72	1.69	1.57	
9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.91	1.76	1.72	1.69	1.53	
10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.91	1.76	1.72	1.69	1.48	
11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.90	1.76	1.72	1.69	1.40	
12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.95	1.76	1.72	1.69	1.31	
13	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.13	1.75	1.72	1.69	1.20	
14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.28	1.75	1.72	1.68	1.09	
15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.18	1.75	1.72	1.68	1.00	
16	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.25	1.75	1.72	1.68	0.91	
17	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.25	1.75	1.72	1.68	0.83	
18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.09	1.74	1.72	1.68	0.75	
19	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.99	1.74	1.72	1.67	0.67	
20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.93	1.74	1.72	1.67	0.60	
21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.90	1.74	1.72	1.67	0.54	
22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.87	1.74	1.71	1.67	0.48	
23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.86	1.74	1.71	1.66	0.43	
24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.85	1.74	1.71	1.66	0.39	
25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.83	1.74	1.71	1.66	0.35	
26	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.83	1.74	1.70	1.65	0.31	
27	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.82	1.74	1.70	1.65	0.27	
28	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.81	1.74	1.70	1.65	0.23	
29	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.80	1.73	1.70	1.65	0.19	
30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.80	1.73	1.70		0.17	
31		0.00		0.00	0.00		0.00		1.73	1.70		0.15	
MEAN	0.01	0.00	0.00	0.00	0.00	0.00	0.00	1.84	1.75	1.72	1.68	0.94	
MAX	0.19	0.00	0.00	0.00	0.00	0.00	0.00	2.28	1.79	1.73	1.70	1.64	2.28
MIN	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.08	1.73	1.70	1.65	0.15	0.00

ANNUAL MAX MOMENTARY GAGE HEIGHT 2.40 M (A.D), AT 3.00 HOURS, ON NOV 16, 1983
ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D), RIVER BED 0.00 M (A.D)
LEFT BANK ELEVATION 5.57 M (A.D)
RIGHT BANK ELEVATION 5.46 M (A.D), DRAINAGE AREA 141 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.46	0.25	0.15	0.06	
2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.46	0.25	0.14	0.04	
3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.46	0.25	0.14	0.03	
4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.49	0.42	0.25	0.14	0.03	
5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.80	0.42	0.25	0.14	0.03	
6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.86	0.39	0.25	0.14	0.01	
7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.98	0.39	0.25	0.14	0.00	
8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.04	0.39	0.22	0.14	0.00	
9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.18	0.35	0.22	0.14	0.00	
10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.18	0.35	0.22	0.14	0.00	
11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.10	0.35	0.22	0.14	0.00	
12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.50	0.35	0.22	0.14	0.00	
13	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.88	0.32	0.22	0.14	0.00	
14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	5.06	0.32	0.22	0.12	0.00	
15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.68	0.32	0.22	0.12	0.00	
16	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.66	0.32	0.22	0.12	0.00	
17	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.66	0.32	0.22	0.12	0.00	
18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.35	0.29	0.22	0.12	0.00	
19	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.81	0.29	0.22	0.10	0.00	
20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.34	0.29	0.22	0.10	0.00	
21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.10	0.29	0.22	0.10	0.00	
22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.92	0.29	0.18	0.10	0.00	
23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.86	0.29	0.18	0.09	0.00	
24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.80	0.29	0.18	0.09	0.00	
25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.67	0.29	0.18	0.09	0.00	
26	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.67	0.29	0.15	0.07	0.00	
27	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.61	0.29	0.15	0.07	0.00	
28	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.55	0.29	0.15	0.07	0.00	
29	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.49	0.25	0.15	0.07	0.00	
30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.49	0.25	0.15		0.00	
31		0.00		0.00	0.00		0.00		0.25	0.15		0.00	
TOTAL	0.00	0.00	0.00	0.00	0.00	0.00	0.00	42.73	10.33	6.45	3.38	0.20	63.09 CMSDAY
MEAN	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.42	0.33	0.21	0.12	0.01	0.17 CMS
MAX	0.00	0.00	0.00	0.00	0.00	0.00	0.00	5.06	0.46	0.25	0.15	0.06	5.06 CMS
MIN	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.25	0.15	0.07	0.00	0.00 CMS
RUNOFF	0.000	0.000	0.000	0.000	0.000	0.000	0.000	3.692	0.893	0.557	0.292	0.017	5.451 MCM

MOMENTARY PEAK 6.86 CMS, AT 2.40 M (A.D), AT 3.00 HOURS, ON NOV 16, 1983

RUNOFF YIELD 1.22 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 48.65 LITERS/SECOND/SQUARE KM

WATER YEAR 1983

WEST COAST-GULF BASIN

HUAI YANG KHWANG AT BAN RAI NAI, PRACHUAP KHIRI KHAN (GT.6)

LOCATION — LAT. 11°-10′-31″ N., LONG. 99°-21′-27″ E., ON LEFT BANK AT BAN RAI NAI, AMPHOE BANG SAPHAN NOI, PRACHUAP KHIRI KHAN.

DRAINAGE AREA — 37 SQ.KM.

TYPE OF GAGE — STAFF GAGE.

ZERO GAGE AT BOTTOM — +0.00 M.(A.D.)

BENCH MARK — B.M.-H.D.

LOCATION — ON LEFT BANK NEAR THE METEOROLOGICAL STATION.

ELEVATION — +15.345 M.(A.D.)

GAGE READING FREQUENCY — 16-TIME DAILY READINGS AT 03.00, 06.00 - 18.00, 21.00 AND 24.00 HOURS.

BASIS OF MEAN DAILY GAGE HEIGHT — ARITHMETIC MEAN OF 16 READINGS.

PERIOD OF AVAILABLE GAGE RECORDS — 1978 TO DATE.

RATING OPERATION

PERIOD OF RATING — 1978 TO DATE.

RATED BY FLOAT — -

RATED BY CURRENT METER — 1978 TO DATE.

STABILITY OF CHANNEL REGIMES — STABLE.

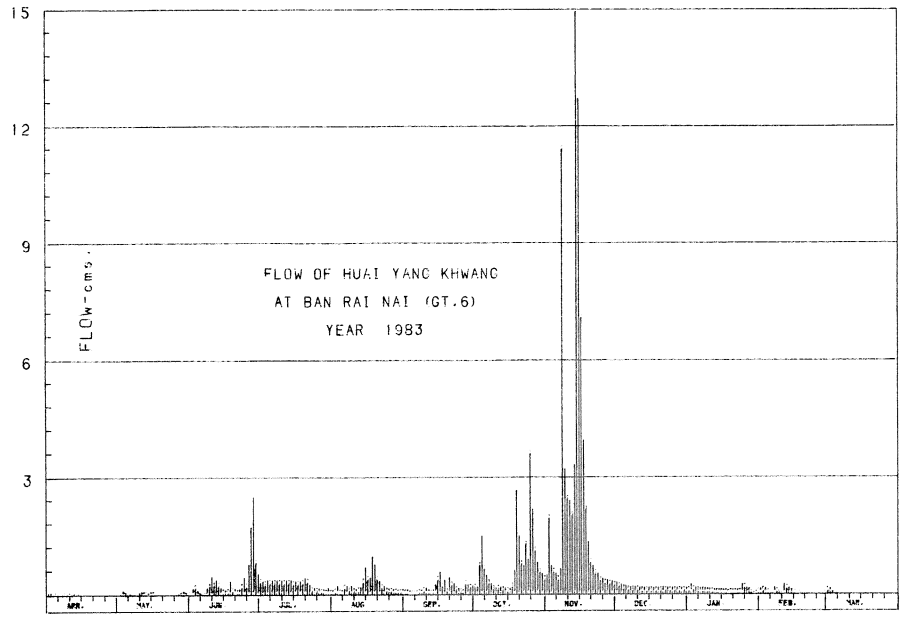
OVERBANK FLOW CONDITIONS — NO OVERBANK FLOW.

GENERAL DESCRIPTION — RECORDS GOOD. STAGE-DISCHARGE RELATION DEFINED BY 54 DISCHARGE MEASUREMENTS MADE IN 1983.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.51	0.25	0.53	0.67	0.55	0.56	0.62	0.70	0.64	0.59	0.57	0.58	
2	0.51	0.50	0.58	0.65	0.57	0.56	0.60	0.95	0.63	0.62	0.59	0.57	
3	0.51	0.54	0.62	0.65	0.61	0.54	0.78	0.76	0.62	0.60	0.58	0.52	
4	0.51	0.52	0.54	0.66	0.56	0.54	0.88	0.74	0.61	0.59	0.55	0.50	
5	0.51	0.50	0.51	0.66	0.55	0.54	0.76	0.71	0.61	0.58	0.52	0.50	
6	0.51	0.50	0.50	0.66	0.62	0.54	0.70	0.69	0.60	0.58	0.52	0.50	
7	0.51	0.48	0.52	0.66	0.61	0.56	0.66	0.74	0.60	0.58	0.59	0.50	
8	0.51	0.49	0.59	0.66	0.59	0.56	0.63	1.55	0.60	0.58	0.57	0.50	
9	0.51	0.50	0.63	0.66	0.61	0.59	0.61	1.07	0.60	0.57	0.53	0.49	
10	0.51	0.54	0.69	0.66	0.58	0.59	0.59	1.01	0.60	0.57	0.52	0.49	
11	0.51	0.53	0.64	0.66	0.57	0.56	0.61	1.00	0.59	0.57	0.62	0.49	
12	0.50	0.53	0.66	0.66	0.59	0.55	0.60	0.96	0.59	0.56	0.61	0.48	
13	0.50	0.53	0.64	0.66	0.60	0.55	0.60	1.08	0.59	0.56	0.58	0.48	
14	0.50	0.51	0.59	0.66	0.67	0.62	0.59	1.76	0.59	0.56	0.55	0.48	
15	0.50	0.53	0.57	0.65	0.75	0.69	0.58	1.60	0.59	0.56	0.53	0.48	
16	0.50	0.53	0.55	0.65	0.69	0.72	0.58	1.34	0.59	0.55	0.54	0.48	
17	0.50	0.50	0.57	0.65	0.68	0.63	0.63	1.13	0.58	0.55	0.53	0.48	
18	0.48	0.49	0.65	0.65	0.82	0.66	0.73	0.98	0.59	0.54	0.53	0.48	
19	0.47	0.48	0.58	0.66	0.77	0.57	1.03	0.86	0.59	0.55	0.52	0.48	
20	0.44	0.48	0.58	0.68	0.69	0.68	0.88	0.80	0.59	0.55	0.50	0.47	
21	0.35	0.47	0.56	0.67	0.65	0.64	0.79	0.76	0.60	0.55	0.50	0.47	
22	0.46	0.47	0.57	0.62	0.62	0.63	0.76	0.73	0.59	0.55	0.50	0.48	
23	0.45	0.47	0.63	0.59	0.61	0.60	0.86	0.71	0.59	0.56	0.50	0.48	
24	0.43	0.47	0.68	0.59	0.59	0.58	0.80	0.68	0.59	0.62	0.50	0.48	
25	0.34	0.46	0.63	0.58	0.58	0.57	1.11	0.67	0.59	0.62	0.49	0.49	
26	0.28	0.46	0.77	0.58	0.58	0.56	0.97	0.66	0.59	0.58	0.49	0.49	
27	0.26	0.50	0.92	0.57	0.57	0.65	0.84	0.66	0.59	0.57	0.49	0.48	
28	0.25	0.52	1.01	0.57	0.57	0.62	0.78	0.65	0.59	0.54	0.51	0.48	
29	0.25	0.53	0.80	0.56	0.56	0.62	0.74	0.65	0.59	0.51	0.53	0.49	
30	0.30	0.52	0.71	0.58	0.56	0.61	0.71	0.64	0.59	0.53		0.48	
31		0.52		0.56	0.57		0.69		0.59	0.56		0.50	
MEAN	0.45	0.49	0.63	0.63	0.62	0.60	0.73	0.91	0.60	0.57	0.54	0.49	
MAX	0.51	0.54	1.01	0.68	0.82	0.72	1.11	1.76	0.64	0.62	0.62	0.58	1.76
MIN	0.25	0.25	0.50	0.56	0.55	0.54	0.58	0.64	0.58	0.51	0.49	0.47	0.25

ANNUAL MAX MOMENTARY GAGE HEIGHT 2.20 M (A.D), AT 15.00 HOURS, ON OCT 25, 1983
ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D), RIVER BED 0.25 M (A.D)
LEFT BANK ELEVATION 15.34 M (A.D)
RIGHT BANK ELEVATION 6.27 M (A.D), DRAINAGE AREA 37 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.05	0.00	0.08	0.41	0.12	0.13	0.26	0.50	0.32	0.18	0.15	0.17	
2	0.05	0.03	0.17	0.35	0.15	0.13	0.20	2.03	0.29	0.26	0.18	0.15	
3	0.05	0.10	0.26	0.35	0.23	0.10	0.82	0.74	0.26	0.20	0.17	0.06	
4	0.05	0.06	0.10	0.38	0.13	0.10	1.50	0.66	0.23	0.18	0.12	0.03	
5	0.05	0.03	0.05	0.38	0.12	0.10	0.74	0.54	0.23	0.17	0.06	0.03	
6	0.05	0.03	0.03	0.38	0.26	0.10	0.50	0.47	0.20	0.17	0.06	0.03	
7	0.05	0.02	0.06	0.38	0.23	0.13	0.38	0.66	0.20	0.17	0.18	0.03	
8	0.05	0.02	0.18	0.38	0.18	0.13	0.29	11.47	0.20	0.17	0.15	0.03	
9	0.05	0.03	0.29	0.38	0.23	0.18	0.23	3.21	0.20	0.15	0.08	0.02	
10	0.05	0.10	0.47	0.38	0.17	0.18	0.18	2.52	0.20	0.15	0.06	0.02	
11	0.05	0.08	0.32	0.38	0.15	0.13	0.23	2.40	0.18	0.15	0.26	0.02	
12	0.03	0.08	0.38	0.38	0.18	0.12	0.20	2.10	0.18	0.13	0.23	0.02	
13	0.03	0.08	0.32	0.38	0.20	0.12	0.20	3.32	0.18	0.13	0.17	0.02	
14	0.03	0.05	0.18	0.38	0.41	0.26	0.18	16.89	0.18	0.13	0.12	0.02	
15	0.03	0.08	0.15	0.35	0.70	0.47	0.17	12.70	0.18	0.13	0.08	0.02	
16	0.03	0.08	0.12	0.35	0.47	0.58	0.17	7.15	0.18	0.12	0.10	0.02	
17	0.03	0.03	0.15	0.35	0.44	0.29	0.29	3.95	0.17	0.12	0.08	0.02	
18	0.02	0.02	0.35	0.35	1.05	0.38	0.62	2.25	0.18	0.10	0.08	0.02	
19	0.01	0.02	0.17	0.38	0.78	0.15	2.74	1.35	0.18	0.12	0.06	0.02	
20	0.00	0.02	0.17	0.44	0.47	0.44	1.50	0.90	0.18	0.12	0.03	0.01	
21	0.00	0.01	0.13	0.41	0.35	0.32	0.86	0.74	0.20	0.12	0.03	0.01	
22	0.01	0.01	0.15	0.26	0.26	0.29	0.74	0.62	0.18	0.12	0.03	0.02	
23	0.00	0.01	0.29	0.18	0.23	0.20	1.35	0.54	0.18	0.13	0.03	0.02	
24	0.00	0.01	0.44	0.18	0.18	0.17	0.90	0.44	0.18	0.26	0.03	0.02	
25	0.00	0.01	0.29	0.17	0.17	0.15	3.68	0.41	0.18	0.26	0.02	0.02	
26	0.00	0.01	0.78	0.17	0.17	0.13	2.18	0.38	0.18	0.17	0.02	0.02	
27	0.00	0.03	1.80	0.15	0.15	0.35	1.20	0.38	0.18	0.15	0.02	0.02	
28	0.00	0.06	2.52	0.15	0.15	0.26	0.82	0.35	0.18	0.10	0.05	0.02	
29	0.00	0.08	0.90	0.13	0.13	0.26	0.66	0.35	0.18	0.05	0.08	0.02	
30	0.00	0.06	0.54	0.17	0.13	0.23	0.54	0.32	0.18	0.08		0.02	
31		0.06		0.13	0.15		0.47		0.18	0.13		0.03	
TOTAL	0.77	1.31	11.84	9.61	8.74	6.58	24.80	80.34	6.12	4.62	2.73	0.98	158.44 CMSDAY
MEAN	0.03	0.04	0.39	0.31	0.28	0.22	0.80	2.68	0.20	0.15	0.09	0.03	0.43 CMS
MAX	0.05	0.10	2.52	0.44	1.05	0.58	3.68	16.89	0.32	0.26	0.26	0.17	16.89 CMS
MIN	0.00	0.00	0.03	0.13	0.12	0.10	0.17	0.32	0.17	0.05	0.02	0.01	0.00 CMS
RUNOFF	0.067	0.113	1.023	0.830	0.755	0.569	2.143	6.941	0.529	0.399	0.236	0.085	13.689 MCM

MOMENTARY PEAK 29.80 CMS, AT 2.20 M (A.D), AT 15.00 HOURS, ON OCT 25, 1983

RUNOFF YIELD 11.70 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 805.41 LITERS/SECOND/SQUARE KM

WATER YEAR 1983

WEST COAST-GULF BASIN

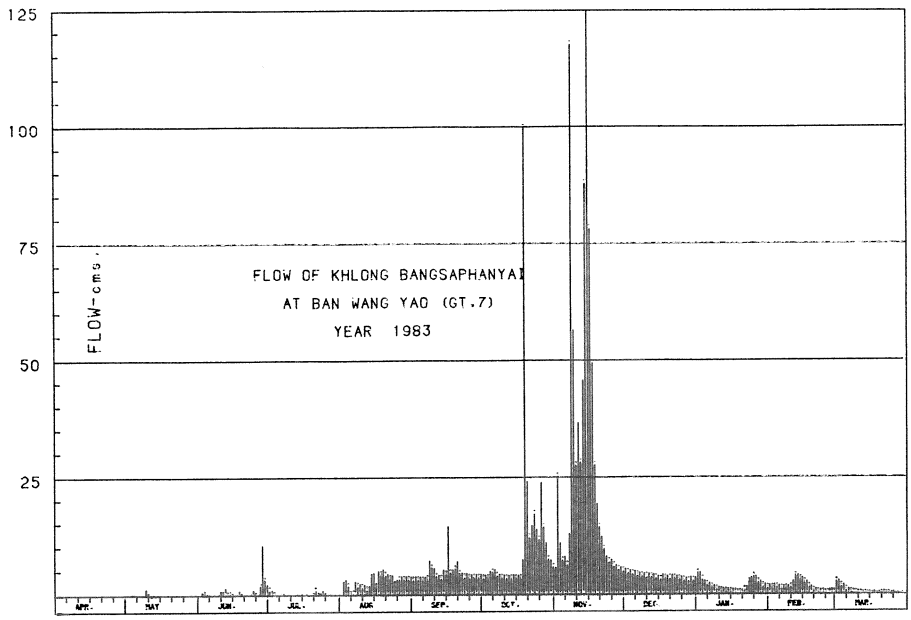
KHLONG BANG SAPHAN YAI AT BAN WANG YAO, PRACHUAP KHIRI KHAN (GT.7)

LOCATION	LAT. 11°-14'-02" N., LONG. 99°-26'-35" E., ON LEFT BANK NEAR THE BRIDGE OF PHET KASEM HIGHWAY AT BAN WANG YAO, TAMBON RON THONG, AMPHOE BANG SAPHAN, PRACHUAP KHIRI KHAN.
DRAINAGE AREA	346 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM	+0.00 M.(A.D.)
BENCH MARK	B.M.-HIGHWAYS DEPT.
LOCATION	ON LEFT BANK AT THE ABUTMENT OF THE BRIDGE.
ELEVATION	+8.084 M.(A.D.)
GAGE READING FREQUENCY	5-TIME DAILY READINGS AT 06.00, 09.00, 12.00, 15.00 AND 18.00 HOURS.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 5 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1978 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1980 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1980 TO DATE.
STABILITY OF CHANNEL REGIMES	STABLE.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS FAIR. STAGE-DISCHARGE RELATION DEFINED BY 26 DISCHARGE MEASUREMENTS MADE IN 1983.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.33	0.39	0.37	0.96	0.41	1.39	1.44	1.63	1.61	1.57	1.05	1.31	
2	0.32	0.33	0.64	0.80	1.31	1.40	1.44	2.85	1.59	1.51	1.05	1.24	
3	0.32	0.47	0.75	0.69	1.30	1.39	1.44	2.06	1.57	1.39	1.08	1.13	
4	0.34	0.42	0.56	0.65	1.15	1.39	1.54	1.84	1.56	1.25	1.07	1.06	
5	0.33	0.38	0.48	0.60	0.75	1.38	1.60	1.85	1.55	1.19	1.02	0.92	
6	0.33	0.35	0.46	0.58	0.77	1.38	1.59	1.75	1.53	1.14	1.00	0.83	
7	0.33	0.33	0.46	0.54	1.22	1.42	1.51	2.19	1.51	1.08	1.00	0.79	
8	0.32	0.34	0.46	0.52	1.16	1.78	1.46	5.02	1.50	1.03	1.02	0.77	
9	0.32	0.86	0.52	0.50	1.12	1.69	1.45	3.81	1.49	0.98	1.00	0.73	
10	0.31	0.60	0.74	0.49	1.12	1.62	1.44	2.95	1.49	0.93	1.06	0.70	
11	0.31	0.53	0.71	0.47	1.08	1.48	1.43	3.25	1.48	0.90	1.22	0.68	
12	0.31	0.50	0.91	0.46	0.99	1.44	1.43	2.97	1.47	0.88	1.48	0.66	
13	0.31	0.40	0.67	0.45	1.02	1.43	1.43	3.53	1.46	0.87	1.43	0.65	
14	0.30	0.41	0.70	0.46	1.47	1.58	1.45	4.49	1.44	0.85	1.39	0.64	
15	0.30	0.40	0.57	0.46	1.50	1.55	1.44	5.31	1.41	0.84	1.35	0.63	
16	0.30	0.41	0.51	0.44	1.15	2.29	1.43	4.30	1.39	0.83	1.29	0.61	
17	0.30	0.39	0.50	0.44	1.55	1.59	1.44	3.63	1.45	0.81	1.21	0.60	
18	0.30	0.37	0.74	0.48	1.54	1.59	1.80	2.95	1.43	0.79	1.08	0.58	
19	0.30	0.36	0.58	0.55	1.60	1.67	4.71	2.56	1.41	0.78	0.97	0.58	
20	0.30	0.35	0.51	0.63	1.53	1.76	2.78	2.32	1.43	0.77	0.88	0.67	
21	0.30	0.34	0.50	0.93	1.47	1.56	2.19	2.15	1.44	0.96	0.84	0.67	
22	0.29	0.33	0.51	0.64	1.43	1.50	2.30	2.02	1.43	0.96	0.80	0.66	
23	0.29	0.32	0.56	0.57	1.43	1.47	2.48	1.86	1.41	1.30	0.79	0.65	
24	0.29	0.32	0.77	0.74	1.23	1.49	2.25	1.82	1.40	1.35	0.78	0.61	
25	0.28	0.32	0.64	0.59	1.29	1.45	2.15	1.80	1.39	1.47	0.75	0.59	
26	0.28	0.32	0.61	0.53	1.40	1.45	2.77	1.74	1.37	1.39	0.74	0.57	
27	0.28	0.32	1.14	0.50	1.40	1.46	2.32	1.69	1.35	1.30	0.80	0.55	
28	0.28	0.40	2.03	0.48	1.40	1.46	2.06	1.66	1.34	1.22	0.79	0.54	
29	0.28	0.40	1.38	0.47	1.40	1.45	1.86	1.64	1.37	1.14	0.80	0.54	
30	0.28	0.39	1.10	0.46	1.40	1.46	1.79	1.63	1.36	1.10		0.56	
31		0.38		0.45	1.39		1.70		1.36	1.06		0.60	
MEAN	0.30	0.40	0.70	0.57	1.26	1.53	1.87	2.64	1.45	1.09	1.03	0.72	
MAX	0.34	0.86	2.03	0.96	1.60	2.29	4.71	5.31	1.61	1.57	1.48	1.31	5.31
MIN	0.28	0.32	0.37	0.44	0.41	1.38	1.43	1.63	1.34	0.77	0.74	0.54	0.28

ANNUAL MAX MOMENTARY GAGE HEIGHT 5.77 M (A.D), AT 6.00 HOURS, ON OCT 19, 1983
ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D), RIVER BED 0.11 M (A.D)
LEFT BANK ELEVATION 8.08 M (A.D)
RIGHT BANK ELEVATION 7.66 M (A.D), DRAINAGE AREA 346 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.08	0.14	0.12	1.74	0.16	3.93	4.28	5.80	5.60	5.26	2.10	3.37	
2	0.07	0.08	0.62	1.10	3.37	4.00	4.28	25.80	5.42	4.78	2.10	3.00	
3	0.07	0.22	0.95	0.77	3.30	3.93	4.28	11.00	5.26	3.93	2.22	2.45	
4	0.09	0.17	0.40	0.65	2.55	3.93	5.02	7.98	5.18	3.05	2.18	2.14	
5	0.08	0.13	0.23	0.50	0.95	3.86	5.50	8.10	5.10	2.75	1.98	1.58	
6	0.08	0.10	0.21	0.45	1.01	3.86	5.42	7.00	4.94	2.50	1.90	1.22	
7	0.08	0.08	0.21	0.35	2.90	4.14	4.78	12.95	4.78	2.22	1.90	1.07	
8	0.07	0.09	0.21	0.30	2.60	7.30	4.42	118.25	4.70	2.02	1.98	1.01	
9	0.07	1.34	0.30	0.25	2.40	6.40	4.35	56.53	4.63	1.82	1.90	0.89	
10	0.06	0.50	0.92	0.24	2.40	5.70	4.28	28.35	4.63	1.62	2.14	0.80	
11	0.06	0.32	0.83	0.22	2.22	4.56	4.21	36.65	4.56	1.50	2.90	0.74	
12	0.06	0.25	1.54	0.21	1.86	4.28	4.21	28.89	4.49	1.42	4.56	0.68	
13	0.06	0.15	0.71	0.20	1.98	4.21	4.21	45.78	4.42	1.38	4.21	0.65	
14	0.05	0.16	0.80	0.21	4.49	5.34	4.35	88.50	4.28	1.30	3.93	0.62	
15	0.05	0.15	0.42	0.21	4.70	5.10	4.28	135.78	4.07	1.26	3.65	0.59	
16	0.05	0.16	0.27	0.19	2.55	14.54	4.21	79.00	3.93	1.22	3.25	0.53	
17	0.05	0.14	0.25	0.19	5.10	5.42	4.28	49.44	4.35	1.14	2.85	0.50	
18	0.05	0.12	0.92	0.23	5.02	5.42	7.50	28.35	4.21	1.07	2.22	0.45	
19	0.05	0.11	0.45	0.38	5.50	6.20	100.45	19.40	4.07	1.04	1.78	0.45	
20	0.05	0.10	0.27	0.59	4.94	7.10	24.12	15.04	4.21	1.01	1.42	0.71	
21	0.05	0.09	0.25	1.62	4.49	5.18	12.95	12.35	4.28	1.74	1.26	0.71	
22	0.04	0.08	0.27	0.62	4.21	4.70	14.70	10.40	4.21	1.74	1.10	0.68	
23	0.04	0.07	0.40	0.42	4.21	4.49	17.84	8.22	4.07	3.30	1.07	0.65	
24	0.04	0.07	1.01	0.92	2.95	4.63	13.90	7.74	4.00	3.65	1.04	0.53	
25	0.04	0.07	0.62	0.47	3.25	4.35	12.35	7.50	3.93	4.49	0.95	0.47	
26	0.04	0.07	0.53	0.32	4.00	4.35	23.88	6.90	3.79	3.93	0.92	0.42	
27	0.04	0.07	2.50	0.25	4.00	4.42	15.04	6.40	3.65	3.30	1.10	0.38	
28	0.04	0.15	10.55	0.23	4.00	4.42	11.00	6.10	3.58	2.90	1.07	0.35	
29	0.04	0.15	3.86	0.22	4.00	4.35	8.22	5.90	3.79	2.50	1.10	0.35	
30	0.04	0.14	2.30	0.21	4.00	4.42	7.40	5.80	3.72	2.30		0.40	
31		0.13		0.20	3.93		6.50		3.72	2.14		0.50	
TOTAL	1.69	5.60	32.92	14.46	103.04	154.53	352.21	885.90	135.57	74.28	60.78	28.89	1849.87 CMSDAY
MEAN	0.06	0.18	1.10	0.47	3.32	5.15	11.36	29.53	4.37	2.40	2.10	0.93	5.05 CMS
MAX	0.09	1.34	10.55	1.74	5.50	14.54	100.45	135.78	5.60	5.26	4.56	3.37	135.78 CMS
MIN	0.04	0.07	0.12	0.19	0.16	3.86	4.21	5.80	3.58	1.01	0.92	0.35	0.04 CMS
RUNOFF	0.146	0.484	2.844	1.249	8.903	13.351	30.431	76.542	11.713	6.418	5.251	2.496	159.829 MCM

MOMENTARY PEAK 163.59 CMS, AT 5.77 M (A.D), AT 6.00 HOURS, ON OCT 19, 1983
RUNOFF YIELD 14.61 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 472.79 LITERS/SECOND/SQUARE KM

WATER YEAR 1983

WEST COAST-GULF BASIN

KHLONG THAP SAKAE AT BAN KLANG, PRACHUAP KHIRI KHAN (GT.9)

LOCATION — LAT. 11°-29'-39" N., LONG. 99°-36'-21" E., ON RIGHT BANK AT BAN KLANG, TAMBON THAP SAKAE, AMPHOE THAP SAKAE, PRACHUAP KHIRI KHAN.

DRAINAGE AREA — 120 SQ.KM.

TYPE OF GAGE — STAFF GAGE.

ZERO GAGE AT BOTTOM — +0.00 M.(A.D.)

BENCH MARK — B.M.-HIGHWAYS DEPT.

LOCATION — ON RIGHT BANK AT THE ABUTMENT OF THE BRIDGE.

ELEVATION — +5.374 M.(A.D.)

GAGE READING FREQUENCY — 5-TIME DAILY READINGS AT 06.00, 09.00, 12.00, 15.00 AND 18.00 HOURS.

BASIS OF MEAN DAILY GAGE HEIGHT — ARITHMETIC MEAN OF 5 READINGS.

PERIOD OF AVAILABLE GAGE RECORDS — 1979 TO DATE.

RATING OPERATION

PERIOD OF RATING — 1980 TO DATE.

RATED BY FLOAT — -

RATED BY CURRENT METER — 1980 TO DATE.

STABILITY OF CHANNEL REGIMES — STABLE.

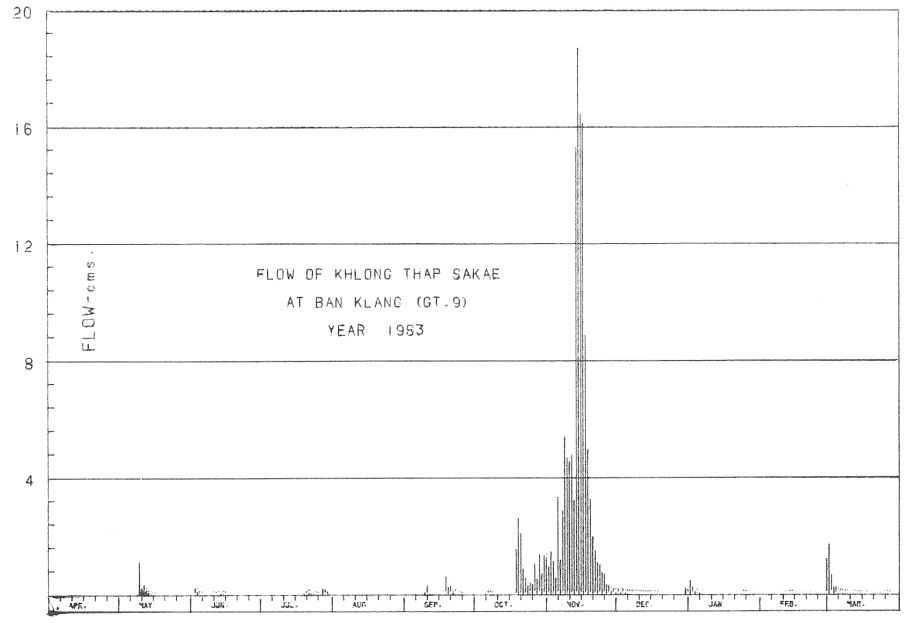
OVERBANK FLOW CONDITIONS — NO OVERBANK FLOW.

GENERAL DESCRIPTION — RECORDS FAIR. STAGE-DISCHARGE RELATION DEFINED BY 21 DISCHARGE MEASUREMENTS MADE IN 1983.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.01	0.00	0.04	0.04	0.09	0.05	0.08	0.56	0.24	0.45	0.12	0.77	
2	0.01	0.00	0.27	0.03	0.08	0.05	0.06	0.72	0.24	0.29	0.13	0.47	
3	0.01	0.00	0.26	0.02	0.08	0.05	0.05	0.61	0.24	0.26	0.13	0.35	
4	0.01	0.00	0.21	0.01	0.08	0.05	0.07	0.48	0.23	0.24	0.13	0.29	
5	0.01	0.00	0.18	0.01	0.09	0.05	0.06	1.02	0.22	0.23	0.13	0.25	
6	0.01	0.00	0.14	0.01	0.10	0.04	0.18	0.65	0.21	0.22	0.13	0.23	
7	0.01	0.00	0.12	0.01	0.10	0.04	0.18	0.95	0.20	0.20	0.13	0.22	
8	0.01	0.00	0.12	0.01	0.10	0.04	0.15	1.29	0.20	0.18	0.13	0.20	
9	0.01	0.61	0.18	0.01	0.09	0.17	0.13	1.20	0.20	0.17	0.12	0.19	
10	0.01	0.26	0.20	0.00	0.08	0.32	0.11	1.20	0.19	0.16	0.12	0.19	
11	0.01	0.34	0.15	0.00	0.06	0.16	0.07	1.21	0.19	0.15	0.15	0.18	
12	0.01	0.28	0.20	0.00	0.08	0.09	0.06	1.02	0.18	0.15	0.16	0.17	
13	0.01	0.21	0.24	0.00	0.07	0.05	0.05	2.00	0.18	0.15	0.19	0.16	
14	0.01	0.18	0.20	0.00	0.07	0.05	0.05	2.18	0.18	0.14	0.18	0.16	
15	0.00	0.15	0.17	0.00	0.07	0.08	0.05	2.06	0.18	0.13	0.16	0.15	
16	0.00	0.14	0.15	0.00	0.07	0.09	0.05	2.05	0.17	0.13	0.15	0.14	
17	0.00	0.13	0.13	0.02	0.07	0.13	0.05	1.59	0.17	0.12	0.15	0.13	
18	0.00	0.10	0.11	0.01	0.07	0.45	0.71	1.24	0.16	0.12	0.14	0.13	
19	0.00	0.07	0.08	0.09	0.06	0.34	0.93	1.01	0.15	0.12	0.14	0.13	
20	0.00	0.05	0.10	0.16	0.06	0.31	0.82	0.82	0.15	0.12	0.13	0.12	
21	0.00	0.03	0.06	0.22	0.06	0.23	0.58	0.70	0.15	0.12	0.13	0.11	
22	0.00	0.03	0.05	0.11	0.06	0.23	0.43	0.63	0.15	0.12	0.12	0.10	
23	0.00	0.03	0.09	0.17	0.06	0.19	0.37	0.58	0.14	0.12	0.12	0.10	
24	0.00	0.02	0.08	0.16	0.06	0.16	0.36	0.54	0.14	0.20	0.11	0.11	
25	0.00	0.02	0.05	0.14	0.06	0.13	0.40	0.48	0.14	0.17	0.11	0.12	
26	0.00	0.07	0.06	0.14	0.06	0.12	0.59	0.39	0.12	0.15	0.14	0.17	
27	0.00	0.08	0.08	0.33	0.06	0.13	0.47	0.32	0.12	0.15	0.14	0.14	
28	0.00	0.04	0.07	0.23	0.05	0.12	0.67	0.28	0.12	0.14	0.15	0.13	
29	0.00	0.04	0.05	0.15	0.05	0.12	0.53	0.25	0.12	0.13	0.63	0.12	
30	0.00	0.04	0.04	0.11	0.05	0.09	0.66	0.24	0.34	0.12		0.11	
31		0.04		0.09	0.05		0.67		0.23	0.11		0.10	
MEAN	0.00	0.10	0.13	0.07	0.07	0.14	0.31	0.94	0.18	0.17	0.15	0.19	
MAX	0.01	0.61	0.27	0.33	0.10	0.45	0.93	2.18	0.34	0.45	0.63	0.77	2.18
MIN	0.00	0.00	0.04	0.00	0.05	0.04	0.05	0.24	0.12	0.11	0.11	0.10	0.00

ANNUAL MAX MOMENTARY GAGE HEIGHT 2.45 M (A.D), AT 18.00 HOURS, ON NOV 13, 1983
ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D), RIVER BED 0.00 M (A.D)
LEFT BANK ELEVATION 5.10 M (A.D)
RIGHT BANK ELEVATION 5.06 M (A.D), DRAINAGE AREA 120 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.01	0.00	0.03	0.03	0.07	0.04	0.06	0.96	0.21	0.63	0.10	1.85	
2	0.01	0.00	0.25	0.02	0.06	0.04	0.05	1.61	0.21	0.28	0.10	0.68	
3	0.01	0.00	0.24	0.02	0.06	0.04	0.04	1.14	0.21	0.24	0.10	0.39	
4	0.01	0.00	0.17	0.01	0.06	0.04	0.06	0.71	0.20	0.21	0.10	0.28	
5	0.01	0.00	0.14	0.01	0.07	0.04	0.05	3.34	0.19	0.20	0.10	0.22	
6	0.01	0.00	0.11	0.01	0.08	0.03	0.14	1.31	0.17	0.19	0.10	0.20	
7	0.01	0.00	0.10	0.01	0.08	0.03	0.14	2.88	0.16	0.16	0.10	0.19	
8	0.01	0.00	0.10	0.01	0.08	0.03	0.12	5.51	0.16	0.14	0.10	0.16	
9	0.01	1.14	0.14	0.01	0.07	0.14	0.10	4.70	0.16	0.14	0.10	0.15	
10	0.01	0.24	0.16	0.00	0.06	0.33	0.09	4.70	0.15	0.13	0.10	0.15	
11	0.01	0.37	0.12	0.00	0.05	0.13	0.06	4.79	0.15	0.12	0.12	0.14	
12	0.01	0.26	0.16	0.00	0.06	0.07	0.05	3.34	0.14	0.12	0.13	0.14	
13	0.01	0.17	0.21	0.00	0.06	0.04	0.04	15.30	0.14	0.12	0.15	0.13	
14	0.01	0.14	0.16	0.00	0.06	0.04	0.04	18.80	0.14	0.11	0.14	0.13	
15	0.00	0.12	0.14	0.00	0.06	0.06	0.04	16.44	0.14	0.10	0.13	0.12	
16	0.00	0.11	0.12	0.00	0.06	0.07	0.04	16.25	0.14	0.10	0.12	0.11	
17	0.00	0.10	0.10	0.02	0.06	0.10	0.04	8.88	0.14	0.10	0.12	0.10	
18	0.00	0.08	0.09	0.01	0.06	0.63	1.57	5.06	0.13	0.10	0.11	0.10	
19	0.00	0.06	0.06	0.07	0.05	0.37	2.75	3.27	0.12	0.10	0.11	0.10	
20	0.00	0.04	0.08	0.13	0.05	0.31	2.10	2.10	0.12	0.10	0.10	0.10	
21	0.00	0.02	0.05	0.19	0.05	0.20	1.03	1.52	0.12	0.10	0.10	0.09	
22	0.00	0.02	0.04	0.09	0.05	0.20	0.58	1.23	0.12	0.10	0.10	0.08	
23	0.00	0.02	0.07	0.14	0.05	0.15	0.44	1.03	0.11	0.10	0.10	0.08	
24	0.00	0.02	0.06	0.13	0.05	0.13	0.42	0.90	0.11	0.16	0.09	0.09	
25	0.00	0.02	0.04	0.11	0.05	0.10	0.50	0.71	0.11	0.14	0.09	0.10	
26	0.00	0.06	0.05	0.11	0.05	0.10	1.07	0.48	0.10	0.12	0.11	0.14	
27	0.00	0.06	0.06	0.35	0.05	0.10	0.68	0.33	0.10	0.12	0.11	0.11	
28	0.00	0.03	0.06	0.20	0.04	0.10	1.39	0.26	0.10	0.11	0.12	0.10	
29	0.00	0.03	0.04	0.12	0.04	0.10	0.86	0.22	0.10	0.10	1.23	0.10	
30	0.00	0.03	0.03	0.09	0.04	0.07	1.35	0.21	0.37	0.10		0.09	
31		0.03		0.07	0.04		1.39		0.20	0.09		0.08	
TOTAL	0.14	3.17	3.18	1.96	1.77	3.83	17.29	127.98	4.72	4.63	4.28	6.50	179.45 CMSDAY
MEAN	0.00	0.10	0.11	0.06	0.06	0.13	0.56	4.27	0.15	0.15	0.15	0.21	0.49 CMS
MAX	0.01	1.14	0.25	0.35	0.08	0.63	2.75	18.80	0.37	0.63	1.23	1.85	18.80 CMS
MIN	0.00	0.00	0.03	0.00	0.04	0.03	0.04	0.21	0.10	0.09	0.09	0.08	0.00 CMS
RUNOFF	0.012	0.274	0.275	0.169	0.153	0.331	1.494	11.057	0.408	0.400	0.370	0.562	15.504 MCM

MOMENTARY PEAK 24.50 CMS, AT 2.45 M (A.D), AT 18.00 HOURS, ON NOV 13, 1983

RUNOFF YIELD 4.09 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 204.17 LITERS/SECOND/SQUARE KM

WATER YEAR 1983

WEST COAST-GULF BASIN

KHLONG KRUT AT BAN NONG YA PLONG, PRACHUAP KHIRI KHAN (GT.10)

LOCATION — LAT. 11°-24'-08" N., LONG. 99°-31'-20" E., ON LEFT BANK AT THE BRIDGE OF PHET KASEM HIGHWAY NEAR THE GUIDEPOST 379, BAN NONG YA PLONG, TAMBON CHAI KASEM, AMPHOE BANG SAPHAN, PRACHUAP KHIRI KHAN.

DRAINAGE AREA — 112 SQ.KM.

TYPE OF GAGE — STAFF GAGE.

ZERO GAGE AT BOTTOM — +0.00 M.(A.D.)

BENCH MARK — B.M.-H.D.

LOCATION — ON LEFT BANK AT THE ABUTMENT OF THE BRIDGE.

ELEVATION — 5.507 M.(A.D.)

GAGE READING FREQUENCY — 5-TIME DAILY READINGS AT 06.00, 09.00, 12.00, 15.00 AND 18.00 HOURS.

BASIS OF MEAN DAILY GAGE HEIGHT — ARITHMETIC MEAN OF 5 READINGS.

PERIOD OF AVAILABLE GAGE RECORDS — 1979 TO DATE.

RATING OPERATION

PERIOD OF RATING — 1980 TO DATE.

RATED BY FLOAT — -

RATED BY CURRENT METER — 1980 TO DATE.

STABILITY OF CHANNEL REGIMES — STABLE.

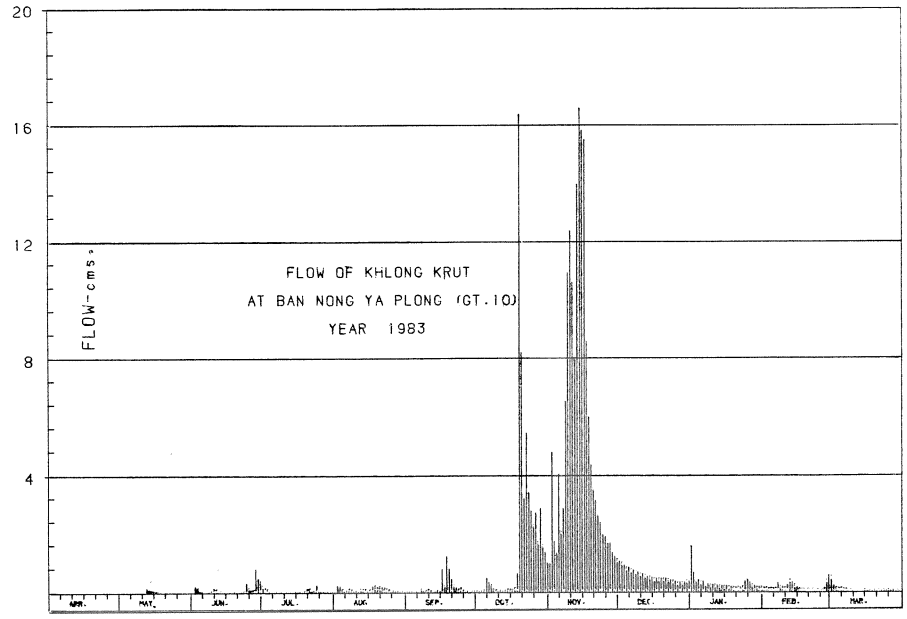
OVERBANK FLOW CONDITIONS — NO OVERBANK FLOW.

GENERAL DESCRIPTION — RECORDS POOR. STAGE-DISCHARGE RELATION DEFINED BY 29 DISCHARGE MEASUREMENTS MADE IN 1983.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.23	0.00	0.06	0.38	0.22	0.27	0.28	0.62	0.64	0.77	0.34	0.49	
2	0.21	0.00	0.36	0.34	0.38	0.27	0.28	1.22	0.63	0.53	0.34	0.37	
3	0.19	0.00	0.34	0.32	0.36	0.26	0.28	0.78	0.61	0.46	0.33	0.34	
4	0.18	0.00	0.26	0.30	0.32	0.25	0.30	0.72	0.59	0.45	0.33	0.33	
5	0.17	0.00	0.24	0.28	0.29	0.25	0.50	1.12	0.59	0.43	0.33	0.33	
6	0.15	0.00	0.22	0.27	0.30	0.24	0.42	0.84	0.57	0.43	0.33	0.32	
7	0.13	0.00	0.21	0.26	0.33	0.32	0.39	0.96	0.56	0.41	0.41	0.31	
8	0.12	0.00	0.23	0.25	0.31	0.29	0.32	1.39	0.55	0.40	0.36	0.31	
9	0.11	0.00	0.27	0.25	0.29	0.29	0.30	1.71	0.54	0.39	0.35	0.30	
10	0.11	0.00	0.33	0.24	0.29	0.32	0.29	1.80	0.53	0.39	0.34	0.30	
11	0.10	0.00	0.32	0.25	0.29	0.28	0.29	1.69	0.52	0.39	0.38	0.29	
12	0.10	0.35	0.30	0.23	0.33	0.25	0.29	1.51	0.51	0.38	0.45	0.29	
13	0.10	0.30	0.28	0.23	0.32	0.24	0.29	1.88	0.49	0.38	0.42	0.29	
14	0.09	0.28	0.27	0.24	0.32	0.30	0.32	2.01	0.49	0.37	0.39	0.29	
15	0.09	0.26	0.25	0.23	0.31	0.25	0.31	1.97	0.48	0.37	0.34	0.29	
16	0.08	0.25	0.24	0.23	0.31	0.57	0.31	1.96	0.47	0.37	0.32	0.28	
17	0.07	0.23	0.23	0.24	0.36	0.39	0.34	1.55	0.47	0.36	0.32	0.28	
18	0.05	0.21	0.27	0.25	0.38	0.68	0.52	1.34	0.47	0.35	0.31	0.28	
19	0.04	0.21	0.23	0.27	0.36	0.60	2.00	1.16	0.47	0.35	0.31	0.28	
20	0.03	0.18	0.22	0.32	0.37	0.46	1.52	1.06	0.47	0.35	0.31	0.28	
21	0.02	0.15	0.22	0.33	0.35	0.39	1.02	1.00	0.47	0.35	0.31	0.28	
22	0.01	0.12	0.23	0.29	0.34	0.34	1.28	0.94	0.46	0.34	0.31	0.28	
23	0.00	0.09	0.26	0.29	0.33	0.32	1.05	0.89	0.45	0.36	0.31	0.28	
24	0.00	0.09	0.41	0.38	0.31	0.35	0.95	0.84	0.44	0.43	0.30	0.28	
25	0.00	0.09	0.34	0.31	0.30	0.30	0.88	0.81	0.43	0.48	0.30	0.29	
26	0.00	0.08	0.31	0.28	0.29	0.29	0.94	0.79	0.42	0.42	0.29	0.28	
27	0.00	0.08	0.32	0.26	0.29	0.28	0.78	0.77	0.42	0.39	0.33	0.27	
28	0.00	0.07	0.57	0.25	0.28	0.28	0.96	0.73	0.42	0.37	0.45	0.27	
29	0.00	0.08	0.49	0.25	0.28	0.28	0.76	0.68	0.42	0.35	0.50	0.27	
30	0.00	0.06	0.44	0.24	0.27	0.28	0.71	0.66	0.45	0.35		0.27	
31		0.06		0.23	0.27		0.65		0.43	0.35		0.27	
MEAN	0.08	0.10	0.29	0.27	0.31	0.33	0.63	1.18	0.50	0.40	0.35	0.30	
MAX	0.23	0.35	0.57	0.38	0.38	0.68	2.00	2.01	0.64	0.77	0.50	0.49	2.01
MIN	0.00	0.00	0.06	0.23	0.22	0.24	0.28	0.62	0.42	0.34	0.29	0.27	0.00

ANNUAL MAX MOMENTARY GAGE HEIGHT 2.80 M (A.D), AT 6.00 HOURS, ON OCT 19, 1983
ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D), RIVER BED 0.00 M (A.D)
LEFT BANK ELEVATION 5.22 M (A.D)
RIGHT BANK ELEVATION 5.18 M (A.D), DRAINAGE AREA 112 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.03	0.00	0.00	0.25	0.02	0.06	0.07	0.98	1.07	1.69	0.17	0.55	
2	0.01	0.00	0.21	0.17	0.25	0.06	0.07	4.89	1.03	0.68	0.17	0.23	
3	0.00	0.00	0.17	0.13	0.21	0.05	0.07	1.74	0.94	0.46	0.15	0.17	
4	0.00	0.00	0.05	0.09	0.13	0.04	0.09	1.43	0.87	0.43	0.15	0.15	
5	0.00	0.00	0.04	0.07	0.08	0.04	0.58	4.04	0.87	0.38	0.15	0.15	
6	0.00	0.00	0.02	0.06	0.09	0.04	0.35	2.09	0.80	0.38	0.15	0.13	
7	0.00	0.00	0.01	0.05	0.15	0.13	0.27	2.87	0.77	0.32	0.32	0.11	
8	0.00	0.00	0.03	0.04	0.11	0.08	0.13	6.63	0.74	0.29	0.21	0.11	
9	0.00	0.00	0.06	0.04	0.08	0.08	0.09	10.93	0.71	0.27	0.19	0.09	
10	0.00	0.00	0.15	0.04	0.08	0.13	0.08	12.47	0.68	0.27	0.17	0.09	
11	0.00	0.00	0.13	0.04	0.08	0.07	0.08	10.61	0.64	0.27	0.25	0.08	
12	0.00	0.19	0.09	0.03	0.15	0.04	0.08	8.07	0.61	0.25	0.43	0.08	
13	0.00	0.09	0.07	0.03	0.13	0.04	0.08	13.97	0.55	0.25	0.35	0.08	
14	0.00	0.07	0.06	0.04	0.13	0.09	0.13	16.67	0.55	0.23	0.27	0.08	
15	0.00	0.05	0.04	0.03	0.11	0.04	0.11	15.82	0.52	0.23	0.17	0.08	
16	0.00	0.04	0.04	0.03	0.11	0.80	0.11	15.61	0.49	0.23	0.13	0.07	
17	0.00	0.03	0.03	0.04	0.21	0.27	0.17	8.59	0.49	0.21	0.13	0.07	
18	0.00	0.01	0.06	0.04	0.25	1.24	0.64	6.09	0.49	0.19	0.11	0.07	
19	0.00	0.01	0.03	0.06	0.21	0.90	16.45	4.37	0.49	0.19	0.11	0.07	
20	0.00	0.00	0.02	0.13	0.23	0.46	8.20	3.58	0.49	0.19	0.11	0.07	
21	0.00	0.00	0.02	0.15	0.19	0.27	3.29	3.15	0.49	0.19	0.11	0.07	
22	0.00	0.00	0.03	0.08	0.17	0.17	5.46	2.73	0.46	0.17	0.11	0.07	
23	0.00	0.00	0.05	0.08	0.15	0.13	3.51	2.39	0.43	0.21	0.11	0.07	
24	0.00	0.00	0.32	0.25	0.11	0.19	2.80	2.09	0.41	0.38	0.09	0.07	
25	0.00	0.00	0.17	0.11	0.09	0.09	2.33	1.91	0.38	0.52	0.09	0.08	
26	0.00	0.00	0.11	0.07	0.08	0.08	2.73	1.80	0.35	0.35	0.08	0.07	
27	0.00	0.00	0.13	0.05	0.08	0.07	1.74	1.69	0.35	0.27	0.15	0.06	
28	0.00	0.00	0.80	0.04	0.07	0.07	2.87	1.48	0.35	0.23	0.43	0.06	
29	0.00	0.00	0.55	0.04	0.07	0.07	1.64	1.24	0.35	0.19	0.58	0.06	
30	0.00	0.00	0.41	0.04	0.06	0.07	1.37	1.15	0.43	0.19		0.06	
31		0.00		0.03	0.06		1.11		0.38	0.19		0.06	
TOTAL	0.04	0.49	3.90	2.35	3.94	5.87	56.70	171.08	18.18	10.30	5.64	3.26	281.75 CMSDAY
MEAN	0.00	0.02	0.13	0.08	0.13	0.20	1.83	5.70	0.59	0.33	0.19	0.11	0.77 CMS
MAX	0.03	0.19	0.80	0.25	0.25	1.24	16.45	16.67	1.07	1.69	0.58	0.55	16.67 CMS
MIN	0.00	0.00	0.00	0.03	0.02	0.04	0.07	0.98	0.35	0.17	0.08	0.06	0.00 CMS
RUNOFF	0.003	0.042	0.337	0.203	0.340	0.507	4.899	14.781	1.571	0.890	0.487	0.282	24.343 MCM

MOMENTARY PEAK 37.42 CMS, AT 2.80 M (A.D), AT 6.00 HOURS, ON OCT 19, 1983

RUNOFF YIELD 6.87 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 334.15 LITERS/SECOND/SQUARE KM

WATER YEAR 1983

WEST COAST-GULF BASIN

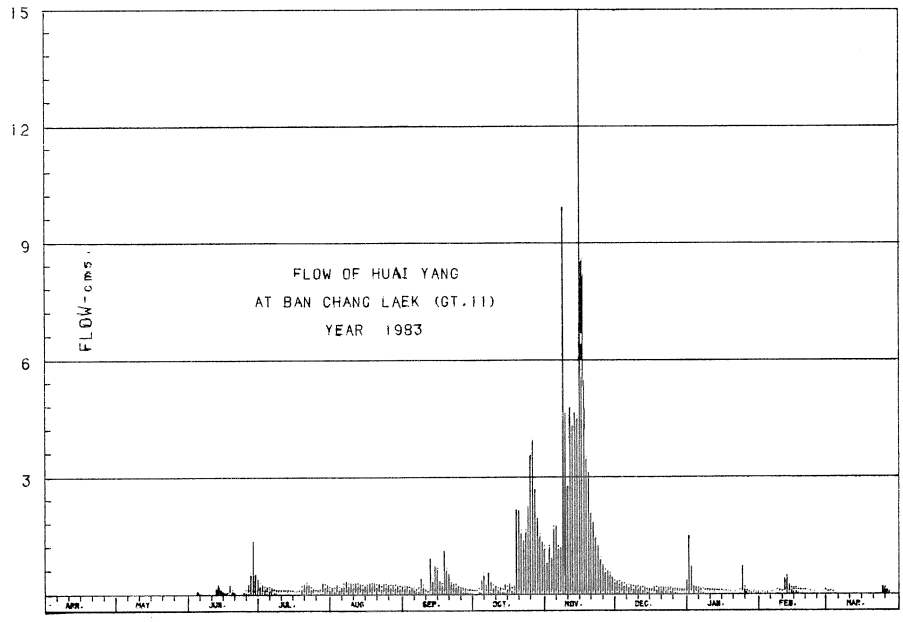
HUAI YANG AT BAN CHANG LAEK, PRACHUAP KHIRI KHAN (GT.11)

LOCATION	LAT. 11°-03'-44" N., LONG. 99°-22'-31" E., ON RIGHT BANK AT THE BRIDGE OF PHET KASEM HIGHWAY NEAR THE GUIDEPOST 423, BAN CHANG LAEK, TAMBON PAK PHAEK, AMPHOE BANG SAPHAN NOI, PRACHUAP KHIRI KHAN.
DRAINAGE AREA	58 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM	+0.00 M.(A.D.)
BENCH MARK	B.M.-HIGHWAYS DEPT.
LOCATION	ON LEFT BANK AT THE ABUTMENT OF THE BRIDGE.
ELEVATION	+9.576 M.(A.D.)
GAGE READING FREQUENCY	5-TIME DAILY READINGS AT 06.00, 09.00, 12.00, 15.00 AND 18.00 HOURS.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 5 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1979 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1980 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1980 TO DATE.
STABILITY OF CHANNEL REGIMES	FAIRLY STABLE BECAUSE OF BACKWATER EFFECT.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS FAIR. STAGE-DISCHARGE RELATION DEFINED BY 24 DISCHARGE MEASUREMENTS MADE IN 1983.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.29	0.27	0.29	0.58	0.52	0.54	0.48	0.71	0.59	0.89	0.45	0.47	
2	0.29	0.27	0.29	0.55	0.52	0.54	0.48	0.82	0.59	0.69	0.45	0.47	
3	0.29	0.29	0.29	0.54	0.55	0.53	0.51	0.74	0.58	0.57	0.45	0.45	
4	0.29	0.29	0.45	0.53	0.53	0.52	0.60	0.93	0.57	0.53	0.45	0.44	
5	0.28	0.29	0.38	0.53	0.52	0.52	0.65	0.93	0.55	0.52	0.45	0.44	
6	0.28	0.29	0.33	0.52	0.57	0.51	0.55	0.82	0.55	0.51	0.45	0.44	
7	0.28	0.28	0.34	0.51	0.59	0.52	0.67	0.81	0.55	0.51	0.46	0.44	
8	0.28	0.28	0.41	0.50	0.57	0.61	0.58	2.14	0.54	0.50	0.49	0.43	
9	0.28	0.28	0.40	0.49	0.57	0.55	0.55	1.44	0.54	0.50	0.48	0.43	
10	0.28	0.28	0.40	0.49	0.56	0.50	0.54	1.14	0.54	0.49	0.47	0.43	
11	0.28	0.29	0.40	0.49	0.57	0.47	0.52	1.46	0.53	0.49	0.61	0.42	
12	0.28	0.29	0.51	0.49	0.57	0.74	0.52	1.40	0.53	0.49	0.63	0.41	
13	0.28	0.29	0.55	0.49	0.56	0.61	0.51	1.44	0.52	0.48	0.55	0.41	
14	0.28	0.28	0.48	0.48	0.55	0.69	0.55	1.43	0.51	0.48	0.52	0.40	
15	0.28	0.28	0.45	0.48	0.54	0.68	0.54	2.94	0.51	0.48	0.52	0.40	
16	0.28	0.28	0.44	0.47	0.55	0.59	0.56	1.97	0.50	0.47	0.52	0.39	
17	0.28	0.28	0.44	0.47	0.57	0.57	0.52	1.56	0.53	0.47	0.50	0.39	
18	0.28	0.28	0.55	0.48	0.57	0.79	0.54	1.26	0.53	0.46	0.49	0.39	
19	0.28	0.28	0.50	0.54	0.57	0.68	1.03	1.19	0.52	0.46	0.49	0.39	
20	0.28	0.28	0.45	0.56	0.56	0.64	1.01	1.01	0.52	0.45	0.49	0.38	
21	0.28	0.28	0.40	0.58	0.56	0.58	0.91	0.95	0.52	0.45	0.48	0.38	
22	0.28	0.28	0.38	0.55	0.54	0.56	0.85	0.88	0.52	0.45	0.47	0.38	
23	0.27	0.28	0.39	0.53	0.56	0.56	0.91	0.82	0.52	0.48	0.46	0.38	
24	0.27	0.28	0.44	0.51	0.56	0.54	1.03	0.75	0.52	0.69	0.45	0.53	
25	0.27	0.28	0.49	0.50	0.55	0.52	1.28	0.70	0.51	0.53	0.45	0.52	
26	0.27	0.28	0.56	0.49	0.55	0.52	1.33	0.67	0.51	0.48	0.45	0.48	
27	0.27	0.28	0.65	0.50	0.55	0.51	1.13	0.66	0.51	0.45	0.45	0.45	
28	0.27	0.29	0.85	0.57	0.55	0.50	0.97	0.65	0.50	0.46	0.46	0.42	
29	0.27	0.29	0.66	0.56	0.54	0.50	0.89	0.62	0.50	0.46	0.50	0.42	
30	0.27	0.29	0.61	0.55	0.54	0.49	0.84	0.60	0.49	0.45		0.41	
31		0.29		0.53	0.54		0.82		0.60	0.45		0.41	
MEAN	0.28	0.28	0.46	0.52	0.55	0.57	0.74	1.11	0.53	0.51	0.49	0.43	
MAX	0.29	0.29	0.85	0.58	0.59	0.79	1.33	2.94	0.60	0.89	0.63	0.53	2.94
MIN	0.27	0.27	0.29	0.47	0.52	0.47	0.48	0.60	0.49	0.45	0.45	0.38	0.27

ANNUAL MAX MOMENTARY GAGE HEIGHT 3.47 M (A.D), AT 9.00 HOURS, ON NOV 25, 1983
ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D), RIVER BED 0.25 M (A.D)
LEFT BANK ELEVATION 9.22 M (A.D)
RIGHT BANK ELEVATION 9.18 M (A.D), DRAINAGE AREA 58 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.00	0.00	0.00	0.31	0.18	0.22	0.11	0.80	0.34	1.56	0.07	0.09	
2	0.00	0.00	0.00	0.25	0.18	0.22	0.11	1.25	0.34	0.72	0.07	0.09	
3	0.00	0.00	0.00	0.22	0.25	0.20	0.15	0.92	0.31	0.29	0.07	0.07	
4	0.00	0.00	0.07	0.20	0.20	0.18	0.36	1.75	0.29	0.20	0.07	0.06	
5	0.00	0.00	0.01	0.20	0.18	0.18	0.56	1.75	0.25	0.18	0.07	0.06	
6	0.00	0.00	0.00	0.18	0.29	0.15	0.25	1.25	0.25	0.15	0.07	0.06	
7	0.00	0.00	0.00	0.15	0.34	0.18	0.64	1.20	0.25	0.15	0.08	0.06	
8	0.00	0.00	0.02	0.13	0.29	0.40	0.31	10.00	0.22	0.13	0.12	0.05	
9	0.00	0.00	0.01	0.12	0.29	0.25	0.25	4.65	0.22	0.13	0.11	0.05	
10	0.00	0.00	0.01	0.12	0.27	0.13	0.22	2.84	0.22	0.12	0.09	0.05	
11	0.00	0.00	0.01	0.12	0.29	0.09	0.18	4.79	0.20	0.12	0.40	0.03	
12	0.00	0.00	0.15	0.12	0.29	0.92	0.18	4.38	0.20	0.12	0.48	0.02	
13	0.00	0.00	0.25	0.12	0.27	0.40	0.15	4.65	0.18	0.11	0.25	0.02	
14	0.00	0.00	0.11	0.11	0.25	0.72	0.25	4.58	0.15	0.11	0.18	0.01	
15	0.00	0.00	0.07	0.11	0.22	0.68	0.22	17.08	0.15	0.11	0.18	0.01	
16	0.00	0.00	0.06	0.09	0.25	0.34	0.27	8.60	0.13	0.09	0.18	0.01	
17	0.00	0.00	0.06	0.09	0.29	0.29	0.18	5.49	0.20	0.09	0.13	0.01	
18	0.00	0.00	0.25	0.11	0.29	1.12	0.22	3.53	0.20	0.08	0.12	0.01	
19	0.00	0.00	0.13	0.22	0.29	0.68	2.25	3.12	0.18	0.08	0.12	0.01	
20	0.00	0.00	0.07	0.27	0.27	0.52	2.15	2.15	0.18	0.07	0.12	0.01	
21	0.00	0.00	0.01	0.31	0.27	0.31	1.65	1.85	0.18	0.07	0.11	0.01	
22	0.00	0.00	0.01	0.25	0.22	0.27	1.38	1.51	0.18	0.07	0.09	0.01	
23	0.00	0.00	0.01	0.20	0.27	0.27	1.65	1.25	0.18	0.11	0.08	0.01	
24	0.00	0.00	0.06	0.15	0.27	0.22	2.25	0.96	0.18	0.72	0.07	0.20	
25	0.00	0.00	0.12	0.13	0.25	0.18	3.64	0.76	0.15	0.20	0.07	0.18	
26	0.00	0.00	0.27	0.12	0.25	0.18	3.95	0.64	0.15	0.11	0.07	0.11	
27	0.00	0.00	0.56	0.13	0.25	0.15	2.78	0.60	0.15	0.07	0.07	0.07	
28	0.00	0.00	1.38	0.29	0.25	0.13	1.95	0.56	0.13	0.08	0.08	0.03	
29	0.00	0.00	0.60	0.27	0.22	0.13	1.56	0.44	0.13	0.08	0.13	0.03	
30	0.00	0.00	0.40	0.25	0.22	0.12	1.34	0.36	0.12	0.07		0.02	
31		0.00		0.20	0.22		1.25		0.36	0.07		0.02	
TOTAL	0.00	0.00	4.70	5.54	7.87	9.83	32.41	93.71	6.37	6.26	3.75	1.47	171.91 CMSDAY
MEAN	0.00	0.00	0.16	0.18	0.25	0.33	1.05	3.12	0.21	0.20	0.13	0.05	0.47 CMS
MAX	0.00	0.00	1.38	0.31	0.34	1.12	3.95	17.08	0.36	1.56	0.48	0.20	17.08 CMS
MIN	0.00	0.00	0.00	0.09	0.18	0.09	0.11	0.36	0.12	0.07	0.07	0.01	0.00 CMS
RUNOFF	0.000	0.000	0.406	0.479	0.680	0.849	2.800	8.097	0.550	0.541	0.324	0.127	14.853 MCM

MOMENTARY PEAK 22.38 CMS, AT 3.47 M (A.D), AT 9.00 HOURS, ON NOV 25, 1983
RUNOFF YIELD 8.10 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 385.86 LITERS/SECOND/SQUARE KM

WATER YEAR 1983

WEST COAST-GULF BASIN

KHLONG LAM CHU AT BAN HUAI SAK, PRACHUAP KHIRI KHAN (GT.12)

LOCATION — LAT. 11°-01'-43" N., LONG. 99°-25'-32" E., ON LEFT BANK ABOUT 1.4 KILOMETERS FROM BAN HUAI SAK RAILWAY STATION, AMPHOE BANG SAPHAN NOI, PRACHUAP KHIRI KHAN.

DRAINAGE AREA — 117 SQ.KM.

TYPE OF GAGE — STAFF GAGE.

ZERO GAGE AT BOTTOM — +0.00 M.(A.D.)

BENCH MARK — B.M.-H.D.

LOCATION — ON LEFT BANK ABOUT 25 METERS FROM THE TOP OF STAFF GAGE.

ELEVATION — +10.00 M.(A.D.)

GAGE READING FREQUENCY — 16-TIME DAILY READINGS AT 03.00, 06.00 - 18.00, 21.00 HOURS.

BASIS OF MEAN DAILY GAGE HEIGHT — ARITHMETIC MEAN OF 16 READINGS.

PERIOD OF AVAILABLE GAGE RECORDS — 1983 TO DATE.

RATING OPERATION

PERIOD OF RATING — 1983 TO DATE.

RATED BY FLOAT — -

RATED BY CURRENT METER — 1983 TO DATE.

STABILITY OF CHANNEL REGIMES — STABLE.

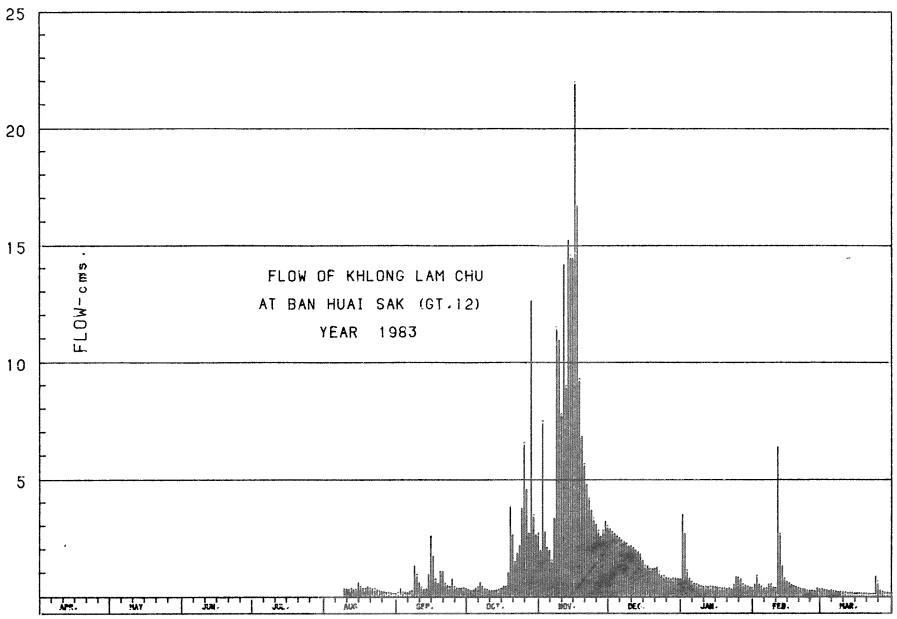
OVERBANK FLOW CONDITIONS — NO OVERBANK FLOW.

GENERAL DESCRIPTION — RECORDS POOR. STREAM GAGING BEGAN ON AUG.9, 1983. STAGE-DISCHARGE RELATION DEFINED BY 63 DISCHARGE MEASUREMENTS MADE IN 1983.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	*******	*******	*******	*******	*******	1.65	1.71	2.08	2.23	2.32	1.80	1.72	
2	*******	*******	*******	*******	*******	1.73	1.70	2.82	2.21	2.20	1.90	1.71	
3	*******	*******	*******	*******	*******	1.66	1.70	2.21	2.20	1.94	1.80	1.70	
4	*******	*******	*******	*******	*******	1.66	1.74	2.10	2.18	1.87	1.76	1.69	
5	*******	*******	*******	*******	*******	1.64	1.75	2.08	2.17	1.83	1.74	1.70	
6	*******	*******	*******	*******	*******	1.68	1.82	2.01	2.15	1.81	1.73	1.69	
7	*******	*******	*******	*******	*******	1.69	1.76	2.30	2.14	1.80	1.80	1.67	
8	*******	*******	*******	*******	*******	1.97	1.73	3.21	2.13	1.79	1.80	1.66	
9	*******	*******	*******	*******	1.73	1.91	1.71	3.16	2.11	1.77	1.75	1.66	
10	*******	*******	*******	*******	1.72	1.82	1.70	2.85	2.11	1.76	1.74	1.65	
11	*******	*******	*******	*******	1.72	1.75	1.69	3.43	2.10	1.76	2.70	1.65	
12	*******	*******	*******	*******	1.73	1.72	1.70	2.97	2.08	1.76	2.20	1.64	
13	*******	*******	*******	*******	1.71	1.72	1.70	3.51	2.07	1.76	1.97	1.64	
14	*******	*******	*******	*******	1.72	1.91	1.72	3.46	2.05	1.76	1.87	1.64	
15	*******	*******	*******	*******	1.82	2.18	1.73	3.45	2.01	1.75	1.83	1.63	
16	*******	*******	*******	*******	1.76	2.04	1.77	3.97	1.97	1.75	1.81	1.63	
17	*******	*******	*******	*******	1.74	1.86	1.76	3.62	1.97	1.74	1.79	1.63	
18	*******	*******	*******	*******	1.73	1.81	1.92	3.00	1.95	1.74	1.77	1.62	
19	*******	*******	*******	*******	1.76	1.93	2.41	2.75	1.95	1.73	1.76	1.62	
20	*******	*******	*******	*******	1.74	1.93	2.19	2.61	1.95	1.73	1.74	1.62	
21	*******	*******	*******	*******	1.73	1.81	2.00	2.50	1.96	1.73	1.73	1.61	
22	*******	*******	*******	*******	1.73	1.78	2.06	2.42	1.93	1.72	1.72	1.61	
23	*******	*******	*******	*******	1.71	1.76	2.11	2.35	1.90	1.79	1.72	1.61	
24	*******	*******	*******	*******	1.69	1.86	2.36	2.30	1.90	1.89	1.70	1.89	
25	*******	*******	*******	*******	1.67	1.76	2.72	2.26	1.88	1.88	1.70	1.83	
26	*******	*******	*******	*******	1.66	1.74	2.47	2.22	1.87	1.86	1.69	1.70	
27	*******	*******	*******	*******	1.65	1.73	2.20	2.18	1.86	1.80	1.69	1.67	
28	*******	*******	*******	*******	1.65	1.74	3.31	2.22	1.87	1.78	1.73	1.65	
29	*******	*******	*******	*******	1.64	1.74	2.32	2.28	1.87	1.76	1.72	1.64	
30	*******	*******	*******	*******	1.63	1.73	2.19	2.25	1.86	1.75		1.63	
31		*******		*******	1.63		2.20		1.86	1.74		1.64	
MEAN	*******	*******	*******	*******	*******	1.80	2.00	2.69	2.02	1.82	1.82	1.67	
MAX	*******	*******	*******	*******	1.82	2.18	3.31	3.97	2.23	2.32	2.70	1.89	3.97
MIN	*******	*******	*******	*******	*******	1.64	1.69	2.01	1.86	1.72	1.69	1.61	*******

ANNUAL MAX MOMENTARY GAGE HEIGHT 4.47 M (A.D), AT 6.00 HOURS, ON OCT 28, 1983
ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D), RIVER BED 1.17 M (A.D)
LEFT BANK ELEVATION 10.00 M (A.D)
RIGHT BANK ELEVATION 9.25 M (A.D), DRAINAGE AREA 117 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	*******	*******	*******	*******	*******	0.19	0.31	1.98	2.90	3.49	0.54	0.33	
2	*******	*******	*******	*******	*******	0.36	0.28	7.50	2.77	2.70	0.90	0.31	
3	*******	*******	*******	*******	*******	0.21	0.28	2.77	2.70	1.14	0.54	0.28	
4	*******	*******	*******	*******	*******	0.21	0.38	2.10	2.58	0.79	0.44	0.26	
5	*******	*******	*******	*******	*******	0.17	0.41	1.98	2.52	0.65	0.38	0.28	
6	*******	*******	*******	*******	*******	0.24	0.61	1.56	2.40	0.58	0.36	0.26	
7	*******	*******	*******	*******	*******	0.26	0.44	3.35	2.34	0.54	0.54	0.23	
8	*******	*******	*******	*******	*******	1.32	0.36	11.51	2.28	0.51	0.54	0.21	
9	*******	*******	*******	*******	0.36	0.96	0.31	10.96	2.16	0.46	0.41	0.21	
10	*******	*******	*******	*******	0.33	0.61	0.28	7.80	2.16	0.44	0.38	0.19	
11	*******	*******	*******	*******	0.33	0.41	0.26	14.19	2.10	0.44	6.40	0.19	
12	*******	*******	*******	*******	0.36	0.33	0.28	9.00	1.98	0.44	2.70	0.17	
13	*******	*******	*******	*******	0.31	0.33	0.28	15.23	1.92	0.44	1.32	0.17	
14	*******	*******	*******	*******	0.33	0.96	0.33	14.58	1.80	0.44	0.79	0.17	
15	*******	*******	*******	*******	0.61	2.58	0.36	14.45	1.56	0.41	0.65	0.15	
16	*******	*******	*******	*******	0.44	1.74	0.46	21.99	1.32	0.41	0.58	0.15	
17	*******	*******	*******	*******	0.38	0.76	0.44	16.70	1.32	0.38	0.51	0.15	
18	*******	*******	*******	*******	0.36	0.58	1.02	9.30	1.20	0.38	0.46	0.14	
19	*******	*******	*******	*******	0.44	1.08	4.13	6.85	1.20	0.36	0.44	0.14	
20	*******	*******	*******	*******	0.38	1.08	2.64	5.68	1.20	0.36	0.38	0.14	
21	*******	*******	*******	*******	0.36	0.58	1.50	4.80	1.26	0.36	0.36	0.12	
22	*******	*******	*******	*******	0.36	0.49	1.86	4.20	1.08	0.33	0.33	0.12	
23	*******	*******	*******	*******	0.31	0.44	2.16	3.70	0.90	0.51	0.33	0.12	
24	*******	*******	*******	*******	0.26	0.76	3.77	3.35	0.90	0.86	0.28	0.86	
25	*******	*******	*******	*******	0.23	0.44	6.58	3.09	0.83	0.83	0.28	0.65	
26	*******	*******	*******	*******	0.21	0.38	4.58	2.83	0.79	0.76	0.26	0.28	
27	*******	*******	*******	*******	0.19	0.36	2.70	2.58	0.76	0.54	0.26	0.23	
28	*******	*******	*******	*******	0.19	0.38	12.63	2.83	0.79	0.49	0.36	0.19	
29	*******	*******	*******	*******	0.17	0.38	3.49	3.22	0.79	0.44	0.33	0.17	
30	*******	*******	*******	*******	0.15	0.36	2.64	3.03	0.76	0.41		0.15	
31		*******		*******	0.15		2.70		0.76	0.38		0.17	
TOTAL	*******	*******	*******	*******	*******	18.95	58.47	213.11	50.03	21.27	22.05	7.19	******** CMSDAY
MEAN	*******	*******	*******	*******	*******	0.63	1.89	7.10	1.61	0.69	0.76	0.23	******** CMS
MAX	*******	*******	*******	*******	0.61	2.58	12.63	21.99	2.90	3.49	6.40	0.86	21.99 CMS
MIN	*******	*******	*******	*******	*******	0.17	0.26	1.56	0.76	0.33	0.26	0.12	******** CMS
RUNOFF	*******	*******	*******	*******	*******	1.637	5.052	18.413	4.323	1.838	1.905	0.621	******** MCM

MOMENTARY PEAK 29.55 CMS, AT 4.47 M (A.D), AT 6.00 HOURS, ON OCT 28, 1983

RUNOFF YIELD ******** LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 252.54 LITERS/SECOND/SQUARE KM

WATER YEAR 1983

SOUTHERN PENINSULA EAST COAST

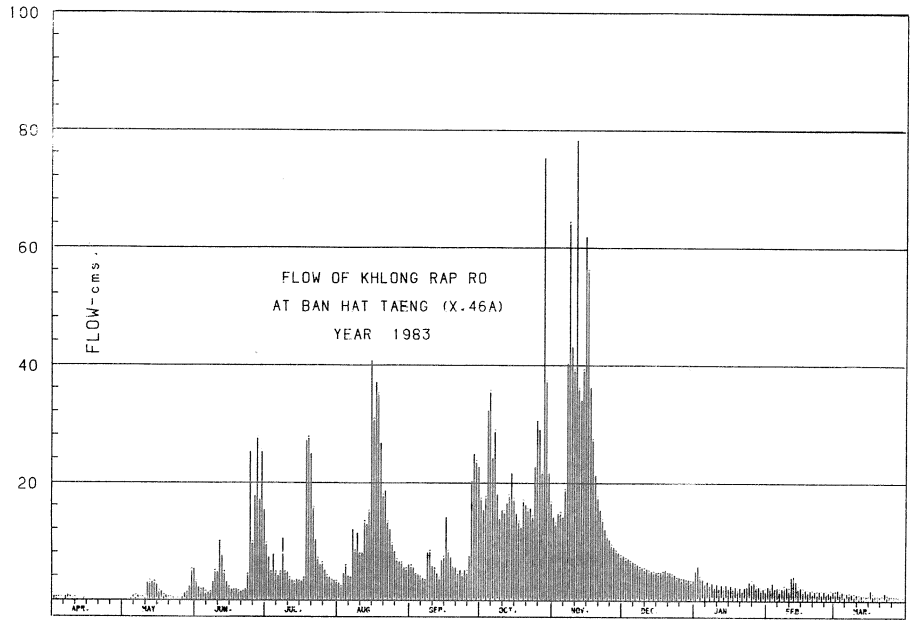
KHLONG RAP RO AT BAN HAT TAENG, CHUMPHON (X.46A)

LOCATION	LAT. 10°-37'-18" N., LONG. 99°-03'-39" E., ON LEFT BANK ABOUT 10 KILOMETERS UPSTREAM FROM X.46 STATION AT BAN THA KHAM, AMPHOE THA SAE, CHUMPHON.
DRAINAGE AREA	617 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM	+0.00 M. (A.D.)
BENCH MARK	B.M.-H.D.
LOCATION	ON LEFT BANK NEAR THE GAGE SITE.
ELEVATION	+11.752 M. (A.D.)
GAGE READING FREQUENCY	13-TIME DAILY READINGS AT 06.00-18.00 HOURS.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 13 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1977 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1977 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1977 TO DATE.
STABILITY OF CHANNEL REGIMES	STABLE.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS GOOD. STAGE-DISCHARGE RELATION DEFINED BY 116 DISCHARGE MEASUREMENTS MADE IN 1983.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.85	0.76	1.09	1.37	1.06	1.22	1.63	1.52	1.28	1.19	1.02	0.96	
2	0.85	0.76	1.01	1.27	1.03	1.20	1.56	1.49	1.27	1.21	1.03	0.98	
3	0.85	0.79	0.99	1.17	1.15	1.15	1.64	1.54	1.26	1.13	1.06	0.96	
4	0.85	0.85	1.00	1.29	1.22	1.14	2.04	1.55	1.25	1.10	1.04	0.95	
5	0.84	0.87	0.96	1.17	1.13	1.13	2.12	1.52	1.24	1.09	1.01	0.93	
6	0.93	0.90	0.93	1.13	1.12	1.11	1.83	1.68	1.23	1.08	1.00	0.93	
7	0.89	0.87	0.95	1.17	1.45	1.10	1.96	2.22	1.22	1.07	1.00	0.93	
8	0.86	0.85	1.07	1.40	1.32	1.30	1.65	2.65	1.21	1.06	1.03	0.92	
9	0.84	0.85	1.18	1.17	1.43	1.32	1.53	2.28	1.20	1.05	1.02	0.92	
10	0.84	0.89	1.16	1.16	1.30	1.21	1.56	2.20	1.20	1.05	1.01	0.91	
11	0.83	1.06	1.38	1.12	1.30	1.20	1.56	2.85	1.19	1.04	1.12	0.90	
12	0.82	1.09	1.28	1.09	1.50	1.15	1.60	2.13	1.18	1.04	1.16	0.89	
13	0.82	1.07	1.17	1.08	1.48	1.12	1.65	2.08	1.17	1.04	1.08	0.89	
14	0.81	1.08	1.07	1.10	1.56	1.25	1.76	2.20	1.17	1.04	1.03	0.88	
15	0.80	1.04	1.02	1.09	2.23	1.28	1.63	2.61	1.16	1.04	1.01	0.88	
16	0.80	0.97	0.98	1.08	2.01	1.52	1.54	2.52	1.16	1.03	1.00	0.97	
17	0.80	0.95	0.98	1.12	2.15	1.32	1.50	2.13	1.16	1.03	0.98	0.92	
18	0.79	0.91	0.99	1.91	2.11	1.27	1.46	1.92	1.17	1.02	0.98	0.88	
19	0.79	0.88	0.97	1.93	1.90	1.22	1.62	1.75	1.18	1.01	0.97	0.87	
20	0.80	0.86	0.95	1.85	1.65	1.20	1.59	1.64	1.16	1.01	0.97	0.87	
21	0.80	0.85	0.96	1.58	1.67	1.17	1.57	1.56	1.16	1.01	0.96	0.88	
22	0.79	0.83	0.99	1.39	1.50	1.18	1.57	1.51	1.15	1.01	0.96	0.93	
23	0.78	0.82	1.15	1.27	1.45	1.15	1.53	1.45	1.14	1.06	0.96	0.90	
24	0.79	0.82	1.86	1.22	1.37	1.18	1.79	1.42	1.12	1.07	0.96	0.88	
25	0.79	0.82	1.38	1.24	1.31	1.18	2.01	1.39	1.12	1.09	0.96	0.87	
26	0.78	0.90	1.64	1.18	1.26	1.28	1.96	1.36	1.11	1.06	0.96	0.86	
27	0.78	0.92	1.93	1.14	1.24	1.72	1.77	1.34	1.11	1.04	0.94	0.85	
28	0.77	0.94	1.62	1.12	1.24	1.85	2.81	1.32	1.10	1.02	0.97	0.85	
29	0.77	1.02	1.87	1.10	1.20	1.82	2.16	1.30	1.10	1.01	0.96	0.85	
30	0.76	1.19	1.56	1.09	1.20	1.79	1.76	1.29	1.09	1.00		0.85	
31		1.19		1.09	1.22		1.61		1.09	1.00		0.88	
MEAN	0.82	0.92	1.20	1.26	1.44	1.29	1.74	1.81	1.17	1.05	1.01	0.90	
MAX	0.93	1.19	1.93	1.93	2.23	1.85	2.81	2.85	1.28	1.21	1.16	0.98	2.85
MIN	0.76	0.76	0.93	1.08	1.03	1.10	1.46	1.29	1.09	1.00	0.94	0.85	0.76

ANNUAL MAX MOMENTARY GAGE HEIGHT 3.40 M (A.D), AT 6.00 HOURS, ON OCT 28, 1983
ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D), RIVER BED 0.46 M (A.D)
LEFT BANK ELEVATION 11.88 M (A.D)
RIGHT BANK ELEVATION 11.53 M (A.D), DRAINAGE AREA 617 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.55	0.12	3.35	9.75	2.90	6.00	17.40	14.10	7.50	5.30	2.30	1.56	
2	0.55	0.12	2.15	7.25	2.45	5.50	15.30	13.20	7.25	5.75	2.45	1.78	
3	0.55	0.18	1.89	4.90	4.50	4.50	17.70	14.70	7.00	4.10	2.90	1.56	
4	0.55	0.55	2.00	7.75	6.00	4.30	32.22	15.00	6.75	3.50	2.60	1.45	
5	0.48	0.69	1.56	4.90	4.10	4.10	35.70	14.10	6.50	3.35	2.15	1.23	
6	1.23	0.90	1.23	4.10	3.90	3.70	24.11	18.90	6.25	3.20	2.00	1.23	
7	0.83	0.69	1.45	4.90	12.00	3.50	28.98	40.24	6.00	3.05	2.00	1.23	
8	0.62	0.55	3.05	10.50	8.50	8.00	18.00	64.35	5.75	2.90	2.45	1.12	
9	0.48	0.55	5.10	4.90	11.40	8.50	14.40	43.06	5.50	2.75	2.30	1.12	
10	0.48	0.83	4.70	4.70	8.00	5.75	15.30	39.30	5.50	2.75	2.15	1.01	
11	0.41	2.90	10.00	3.90	8.00	5.50	15.30	78.25	5.30	2.60	3.90	0.90	
12	0.34	3.35	7.50	3.35	13.50	4.50	16.50	36.15	5.10	2.60	4.70	0.83	
13	0.34	3.05	4.90	3.20	12.90	3.90	18.00	33.94	4.90	2.60	3.20	0.83	
14	0.27	3.20	3.05	3.50	15.30	6.75	21.60	39.30	4.90	2.60	2.45	0.76	
15	0.20	2.60	2.30	3.35	40.71	7.50	17.40	61.83	4.70	2.60	2.15	0.76	
16	0.20	1.67	1.78	3.20	30.93	14.10	14.70	56.24	4.70	2.45	2.00	1.67	
17	0.20	1.45	1.78	3.90	37.05	8.50	13.50	36.15	4.70	2.45	1.78	1.12	
18	0.18	1.01	1.89	27.08	35.25	7.25	12.30	27.46	4.90	2.30	1.78	0.76	
19	0.18	0.76	1.67	27.84	26.70	6.00	17.10	21.25	5.10	2.15	1.67	0.69	
20	0.20	0.62	1.45	24.85	18.00	5.50	16.20	17.70	4.70	2.15	1.67	0.69	
21	0.20	0.55	1.56	15.90	18.60	4.90	15.60	15.30	4.70	2.15	1.56	0.76	
22	0.18	0.41	1.89	10.25	13.50	5.10	15.60	13.80	4.50	2.15	1.56	1.23	
23	0.16	0.34	4.50	7.25	12.00	4.50	14.40	12.00	4.30	2.90	1.56	0.90	
24	0.18	0.34	25.22	6.00	9.75	5.10	22.65	11.10	3.90	3.05	1.56	0.76	
25	0.18	0.34	10.00	6.50	8.25	5.10	30.93	10.25	3.90	3.35	1.56	0.69	
26	0.16	0.90	17.70	5.10	7.00	7.50	28.98	9.50	3.70	2.90	1.56	0.62	
27	0.16	1.12	27.84	4.30	6.50	20.20	21.95	9.00	3.70	2.60	1.34	0.55	
28	0.14	1.34	17.10	3.90	6.50	24.85	75.25	8.50	3.50	2.30	1.67	0.55	
29	0.14	2.30	25.59	3.50	5.50	23.74	37.50	8.00	3.50	2.15	1.56	0.55	
30	0.12	5.30	15.30	3.35	5.50	22.65	21.60	7.75	3.35	2.00		0.55	
31		5.30		3.35	6.00		16.80		3.35	2.00		0.76	
TOTAL	10.46	44.03	209.50	237.22	401.19	246.99	682.97	790.42	155.40	88.70	62.53	30.22	2959.63 CMSDAY
MEAN	0.35	1.42	6.98	7.65	12.94	8.23	22.03	26.35	5.01	2.86	2.16	0.97	8.09 CMS
MAX	1.23	5.30	27.84	27.84	40.71	24.85	75.25	78.25	7.50	5.75	4.70	1.78	78.25 CMS
MIN	0.12	0.12	1.23	3.20	2.45	3.50	12.30	7.75	3.35	2.00	1.34	0.55	0.12 CMS
RUNOFF	0.904	3.804	18.101	20.496	34.663	21.340	59.009	68.292	13.427	7.664	5.403	2.611	255.712 MCM

MOMENTARY PEAK 124.20 CMS, AT 3.40 M (A.D), AT 6.00 HOURS, ON OCT 28, 1983
RUNOFF YIELD 13.11 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 201.30 LITERS/SECOND/SQUARE KM

WATER YEAR 1983

SOUTHERN PENINSULA EAST COAST

KHLONG CHUMPHON AT BAN SIAP YUAN, CHUMPHON (X.53)

LOCATION LAT. 10°-29'-57" N., LONG. 99°-04'-15" E., ON LEFT BANK UPSTREAM SIDE OF THE BRIDGE NEAR PHAYOM THAWAI SCHOOL, AMPHOE MUANG, CHUMPHON.

DRAINAGE AREA 223 SQ.KM.

TYPE OF GAGE WATER-STAGE RECORDER.

ZERO GAGE AT BOTTOM +0.00 M. (A.D.)

BENCH MARK B.M.-H.D.

LOCATION ON LEFT BANK NEAR THE GAGE SITE.

ELEVATION +9.502 M. (A.D.)

GAGE READING FREQUENCY RECORDING.

BASIS OF MEAN DAILY GAGE HEIGHT ARITHMETIC MEAN OF 24 READINGS.

PERIOD OF AVAILABLE GAGE RECORDS 1971 TO DATE.

RATING OPERATION

PERIOD OF RATING 1973, 1979 - 1980

RATED BY FLOAT -

RATED BY CURRENT METER 1973, 1979 - 1980

STABILITY OF CHANNEL REGIMES FAIRLY STABLE.

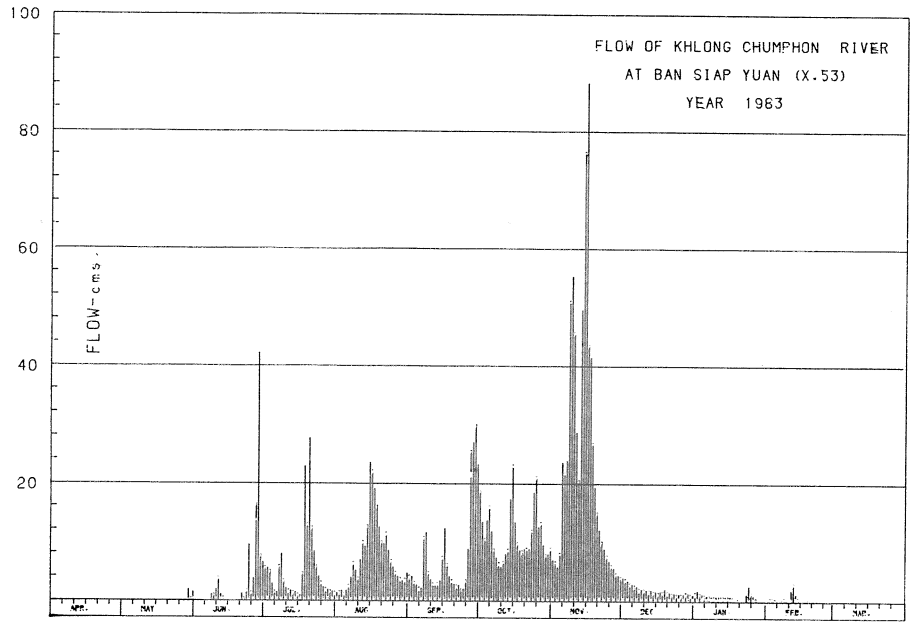
OVERBANK FLOW CONDITIONS NO OVERBANK FLOW.

GENERAL DESCRIPTION RECORDS GOOD. STAGE-DISCHARGE RELATION DEFINED BY 205 DISCHARGE MEASUREMENTS MADE DURING 1973 AND 1979.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.58	0.55	0.64	0.99	0.74	0.92	1.52	1.05	0.90	0.75	0.68	0.65	
2	0.58	0.54	0.65	0.98	0.76	0.91	1.33	1.04	0.89	0.77	0.68	0.65	
3	0.58	0.57	0.63	0.96	0.77	0.86	1.22	0.99	0.87	0.74	0.68	0.64	
4	0.57	0.57	0.61	0.84	0.74	0.83	1.34	1.11	0.85	0.73	0.67	0.64	
5	0.57	0.56	0.61	0.76	0.77	0.81	1.43	1.67	0.84	0.72	0.66	0.64	
6	0.58	0.56	0.63	0.75	0.83	0.80	1.27	1.62	0.83	0.71	0.66	0.63	
7	0.58	0.57	0.62	1.00	0.90	1.23	1.14	1.68	0.82	0.71	0.67	0.63	
8	0.58	0.57	0.72	1.10	1.03	1.26	1.07	2.44	0.80	0.70	0.68	0.63	
9	0.58	0.57	0.72	0.88	0.96	0.95	1.03	2.55	0.79	0.70	0.66	0.63	
10	0.57	0.58	0.78	0.80	0.90	0.88	0.99	2.30	0.79	0.70	0.67	0.63	
11	0.57	0.58	0.90	0.78	1.05	0.85	1.04	1.82	0.78	0.70	0.78	0.62	
12	0.57	0.60	0.72	0.77	1.20	0.82	1.10	1.58	0.78	0.70	0.85	0.62	
13	0.56	0.60	0.69	0.76	1.16	0.85	1.14	2.40	0.78	0.70	0.73	0.62	
14	0.57	0.60	0.66	0.75	1.31	0.87	1.47	3.08	0.76	0.70	0.69	0.64	
15	0.58	0.62	0.64	0.73	1.67	1.08	1.66	3.36	0.76	0.70	0.68	0.64	
16	0.57	0.62	0.63	0.71	1.63	1.29	1.33	2.24	0.75	0.70	0.67	0.62	
17	0.56	0.61	0.62	0.94	1.53	1.02	1.19	2.18	0.76	0.69	0.66	0.62	
18	0.54	0.58	0.61	1.65	1.43	0.91	1.13	1.77	0.76	0.68	0.66	0.62	
19	0.54	0.57	0.61	1.32	1.30	0.88	1.13	1.54	0.79	0.67	0.66	0.61	
20	0.54	0.57	0.64	1.79	1.20	0.84	1.14	1.39	0.76	0.67	0.66	0.60	
21	0.54	0.58	0.74	1.30	1.18	0.83	1.15	1.28	0.75	0.67	0.66	0.59	
22	0.54	0.57	0.68	1.12	1.26	0.83	1.14	1.20	0.74	0.67	0.65	0.59	
23	0.54	0.56	0.78	1.00	1.13	0.79	1.28	1.14	0.74	0.76	0.63	0.58	
24	0.54	0.55	1.17	0.91	1.05	0.79	1.51	1.09	0.73	0.82	0.63	0.58	
25	0.54	0.55	0.75	0.86	0.99	0.88	1.60	1.04	0.73	0.75	0.63	0.58	
26	0.54	0.61	0.89	0.81	0.95	1.14	1.30	1.01	0.73	0.71	0.63	0.61	
27	0.54	0.61	1.44	0.80	0.91	1.73	1.33	0.98	0.73	0.68	0.63	0.60	
28	0.54	0.65	2.20	0.78	0.90	1.77	1.17	0.94	0.75	0.67	0.63	0.59	
29	0.54	0.78	1.09	0.77	0.87	1.86	1.10	0.92	0.74	0.67	0.63	0.58	
30	0.54	0.67	1.03	0.76	0.89	1.66	1.10	0.91	0.73	0.67		0.58	
31		0.75		0.75	0.94		1.15		0.72	0.67		0.59	
MEAN	0.56	0.60	0.80	0.94	1.06	1.04	1.24	1.61	0.78	0.71	0.67	0.61	
MAX	0.58	0.78	2.20	1.79	1.67	1.86	1.66	3.36	0.90	0.82	0.85	0.65	3.36
MIN	0.54	0.54	0.61	0.71	0.74	0.79	0.99	0.91	0.72	0.67	0.63	0.58	0.54

ANNUAL MAX MOMENTARY GAGE HEIGHT 4.64 M (A.D), AT 12.00 HOURS, ON NOV 15, 1983
ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D), RIVER BED -0.61 M (A.D)
LEFT BANK ELEVATION 9.90 M (A.D)
RIGHT BANK ELEVATION 7.71 M (A.D), DRAINAGE AREA 223 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.00	0.00	0.00	5.80	1.36	4.40	18.80	7.00	4.00	1.50	0.53	0.13	
2	0.00	0.00	0.13	5.60	1.64	4.20	13.44	6.80	3.82	1.78	0.53	0.13	
3	0.00	0.00	0.00	5.20	1.78	3.28	10.68	5.80	3.46	1.36	0.53	0.00	
4	0.00	0.00	0.00	2.92	1.36	2.74	13.72	8.22	3.10	1.22	0.40	0.00	
5	0.00	0.00	0.00	1.64	1.78	2.38	16.24	23.58	2.92	1.08	0.27	0.00	
6	0.00	0.00	0.00	1.50	2.74	2.20	11.88	21.88	2.74	0.94	0.27	0.00	
7	0.00	0.00	0.00	6.00	4.00	10.92	8.88	23.92	2.56	0.94	0.40	0.00	
8	0.00	0.00	1.08	8.00	6.60	11.64	7.40	51.12	2.20	0.80	0.53	0.00	
9	0.00	0.00	1.08	3.64	5.20	5.00	6.60	55.30	2.06	0.80	0.27	0.00	
10	0.00	0.00	1.92	2.20	4.00	3.64	5.80	45.80	2.06	0.80	0.40	0.00	
11	0.00	0.00	4.00	1.92	7.00	3.10	6.80	28.68	1.92	0.80	1.92	0.00	
12	0.00	0.00	1.08	1.78	10.20	2.56	8.00	20.60	1.92	0.80	3.10	0.00	
13	0.00	0.00	0.67	1.64	9.32	3.10	8.88	49.60	1.92	0.80	1.22	0.00	
14	0.00	0.00	0.27	1.50	12.88	3.46	17.36	76.56	1.64	0.80	0.67	0.00	
15	0.00	0.00	0.00	1.22	23.58	7.60	23.24	88.32	1.64	0.80	0.53	0.00	
16	0.00	0.00	0.00	0.94	22.22	12.36	13.44	43.64	1.50	0.80	0.40	0.00	
17	0.00	0.00	0.00	4.80	19.10	6.40	9.98	41.48	1.64	0.67	0.27	0.00	
18	0.00	0.00	0.00	22.90	16.24	4.20	8.66	26.98	1.64	0.53	0.27	0.00	
19	0.00	0.00	0.00	13.16	12.60	3.64	8.66	19.40	2.06	0.40	0.27	0.00	
20	0.00	0.00	0.00	27.65	10.20	2.92	8.88	15.12	1.64	0.40	0.27	0.00	
21	0.00	0.00	1.36	12.60	9.76	2.74	9.10	12.12	1.50	0.40	0.27	0.00	
22	0.00	0.00	0.53	8.44	11.64	2.74	8.88	10.20	1.36	0.40	0.13	0.00	
23	0.00	0.00	1.92	6.00	8.66	2.06	12.12	8.88	1.36	1.64	0.00	0.00	
24	0.00	0.00	9.54	4.20	7.00	2.06	18.50	7.80	1.22	2.56	0.00	0.00	
25	0.00	0.00	1.50	3.28	5.80	3.64	21.20	6.80	1.22	1.50	0.00	0.00	
26	0.00	0.00	3.82	2.38	5.00	8.88	12.60	6.20	1.22	0.94	0.00	0.00	
27	0.00	0.00	16.52	2.20	4.20	25.62	13.44	5.60	1.22	0.53	0.00	0.00	
28	0.00	0.13	42.20	1.92	4.00	26.98	9.54	4.80	1.50	0.40	0.00	0.00	
29	0.00	1.92	7.80	1.78	3.46	30.04	8.00	4.40	1.36	0.40	0.00	0.00	
30	0.00	0.40	6.60	1.64	3.82	23.24	8.00	4.20	1.22	0.40		0.00	
31		1.50		1.50	4.80		9.10		1.08	0.40		0.00	
TOTAL	0.00	3.95	102.02	165.96	241.94	227.74	357.82	730.80	60.70	27.59	13.45	0.26	1932.23 CMSDAY
MEAN	0.00	0.13	3.40	5.35	7.80	7.59	11.54	24.36	1.96	0.89	0.46	0.01	5.28 CMS
MAX	0.00	1.92	42.20	27.66	23.58	30.04	23.24	88.32	4.00	2.56	3.10	0.13	88.32 CMS
MIN	0.00	0.00	0.00	0.94	1.36	2.06	5.80	4.20	1.08	0.40	0.00	0.00	0.00 CMS
RUNOFF	0.000	0.341	8.815	14.339	20.904	19.677	30.916	63.141	5.244	2.384	1.162	0.022	166.945 MCM

MOMENTARY PEAK 145.44 CMS, AT 4.64 M (A.D), AT 12.00 HOURS, ON NOV 15, 1983
RUNOFF YIELD 23.67 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 652.20 LITERS/SECOND/SQUARE KM

WATER YEAR 1983

SOUTHERN PENINSULA EAST COAST

KHLONG THA SAE AT THA SAE, CHUMPHON (X.64)

LOCATION — LAT. 10°-39'-49" N., LONG. 99°-10'-17" E., ON LEFT BANK NEAR THE LAND COOPERATION OFFICE, TAMBON BAN THA KHAM, AMPHOE THA SAE, CHUMPHON.

DRAINAGE AREA — 957 SQ.KM.

TYPE OF GAGE — STAFF GAGE.

ZERO GAGE AT BOTTOM — +0.00 M. (A.D.)

BENCH MARK — B.M.-H.D.

LOCATION — ON LEFT BANK NEAR THE GAGE SITE.

ELEVATION — +11.196 M. (A.D.)

GAGE READING FREQUENCY — 5-TIME DAILY READINGS AT 06.00, 09.00, 12.00, 15.00 AND 18.00 HOURS.

BASIS OF MEAN DAILY GAGE HEIGHT — ARITHMETIC MEAN OF 5 READINGS.

PERIOD OF AVAILABLE GAGE RECORDS — 1973 TO DATE.

RATING OPERATION

PERIOD OF RATING — 1974-1975, 1982 TO DATE.

RATED BY FLOAT — -

RATED BY CURRENT METER — 1974-1975, 1982 TO DATE.

STABILITY OF CHANNEL REGIMES — STABLE.

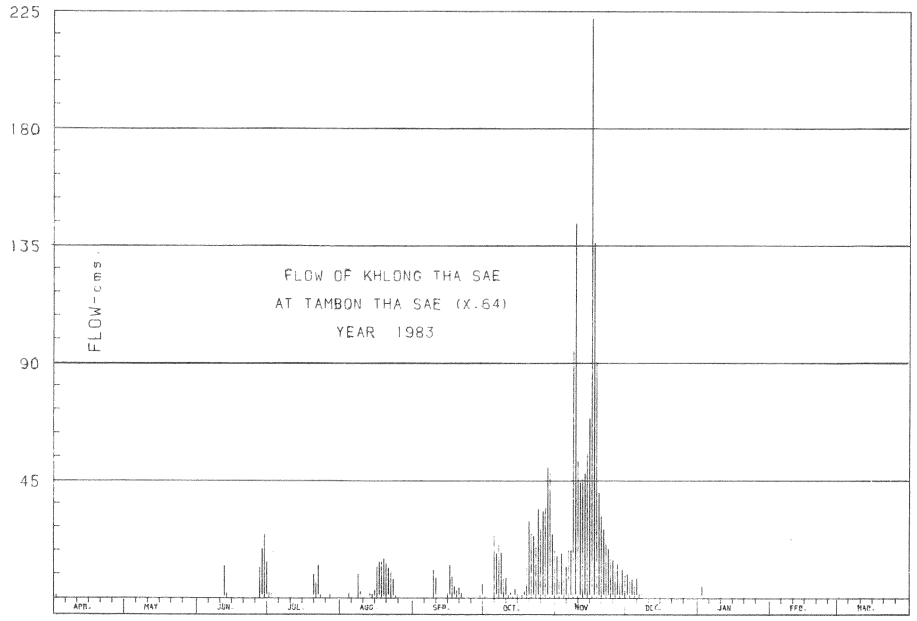
OVERBANK FLOW CONDITIONS — NO OVERBANK FLOW.

GENERAL DESCRIPTION — RECORDS POOR. NO RECORDS ON FEB.1-29, 1984. STAGE-DISCHARGE RELATION DEFINED BY 51 DISCHARGE MEASUREMENTS MADE IN 1983.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.35	0.39	0.41	0.76	0.45	0.48	0.73	1.14	0.88	0.64	*******	0.34	
2	0.34	0.32	0.42	0.72	0.42	0.47	0.68	1.15	0.85	0.78	*******	0.34	
3	0.34	0.46	0.43	0.64	0.63	0.44	0.66	1.18	0.84	0.72	*******	0.35	
4	0.34	0.38	0.40	0.50	0.75	0.42	0.69	1.08	0.81	0.60	*******	0.35	
5	0.34	0.35	0.42	0.52	0.63	0.40	1.45	0.98	0.85	0.53	*******	0.34	
6	0.34	0.34	0.42	0.51	0.55	0.40	1.18	1.28	0.75	0.50	*******	0.33	
7	0.34	0.34	0.41	0.46	0.61	0.40	1.35	1.23	0.72	0.47	*******	0.31	
8	0.33	0.33	0.40	0.52	0.91	0.46	1.19	3.43	0.70	0.46	*******	0.31	
9	0.33	0.37	0.51	0.49	0.74	0.97	0.92	4.47	0.60	0.45	*******	0.30	
10	0.33	0.57	0.51	0.45	0.67	0.85	0.85	2.35	0.66	0.44	*******	0.29	
11	0.33	0.55	0.68	0.42	0.65	0.70	0.74	2.08	0.65	0.45	*******	0.29	
12	0.33	0.44	0.99	0.42	0.64	0.66	0.73	2.15	0.63	0.43	*******	0.28	
13	0.32	0.51	0.75	0.42	0.72	0.53	0.73	2.18	0.61	0.43	*******	0.28	
14	0.31	0.42	0.63	0.42	0.75	0.54	0.76	2.43	0.59	0.43	*******	0.28	
15	0.31	0.39	0.54	0.41	0.75	0.75	0.75	2.78	0.59	0.42	*******	0.27	
16	0.31	0.64	0.46	0.40	1.03	1.00	0.71	5.99	0.58	0.42	*******	0.28	
17	0.31	0.42	0.42	0.40	1.05	0.89	0.75	4.32	0.57	0.41	*******	0.27	
18	0.31	0.41	0.42	0.49	1.11	0.78	0.74	3.34	0.56	0.41	*******	0.27	
19	0.30	0.37	0.40	0.57	1.10	0.78	1.01	1.95	0.56	0.41	*******	0.26	
20	0.31	0.35	0.38	0.88	1.08	0.77	1.60	1.70	0.56	0.40	*******	0.26	
21	0.31	0.34	0.38	0.83	0.96	0.76	1.49	1.50	0.55	0.40	*******	0.25	
22	0.30	0.32	0.37	1.00	0.93	0.66	1.42	1.35	0.55	0.40	*******	0.25	
23	0.30	0.31	0.37	0.74	0.84	0.60	1.32	1.25	0.53	0.40	*******	0.31	
24	0.30	0.30	0.54	0.57	0.73	0.56	1.75	1.15	0.52	0.42	*******	0.31	
25	0.31	0.30	0.66	0.66	0.64	0.54	1.54	1.08	0.52	0.46	*******	0.31	
26	0.31	0.31	0.63	0.65	0.57	0.54	1.72	1.06	0.50	0.53	*******	0.31	
27	0.31	0.31	1.01	0.74	0.54	0.65	1.80	1.02	0.49	0.47	*******	0.33	
28	0.30	0.34	1.25	0.57	0.54	0.68	2.25	0.98	0.50	0.44	*******	0.30	
29	0.30	0.40	1.48	0.60	0.50	0.74	2.23	0.93	0.50	0.41	*******	0.28	
30	0.30	0.42	1.05	0.55	0.48	0.80	1.44	0.90	0.55	0.40		0.29	
31		0.42		0.49	0.46		1.28		0.51	0.39		0.28	
MEAN	0.32	0.39	0.59	0.57	0.72	0.64	1.18	1.95	0.62	0.47	*******	0.30	
MAX	0.35	0.64	1.48	1.00	1.11	1.00	2.25	5.99	0.88	0.78	*******	0.35	5.99
MIN	0.30	0.30	0.37	0.40	0.42	0.40	0.66	0.90	0.49	0.39	*******	0.25	*******

ANNUAL MAX MOMENTARY GAGE HEIGHT 6.20 M (A.D), AT 15.00 HOURS, ON NOV 16, 1983
ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D), RIVER BED -0.23 M (A.D)
LEFT BANK ELEVATION 11.38 M (A.D)
RIGHT BANK ELEVATION 10.29 M (A.D), DRAINAGE AREA 957 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.95	0.91	0.89	3.42	0.85	0.82	2.01	16.00	9.06	0.66	*******	0.96	
2	0.96	0.98	0.88	1.54	0.88	0.83	0.62	16.25	7.65	4.36	*******	0.96	
3	0.96	0.84	0.87	0.66	0.67	0.86	0.64	17.00	7.18	1.54	*******	0.95	
4	0.96	0.92	0.90	0.80	2.95	0.88	0.61	14.50	5.77	0.70	*******	0.95	
5	0.96	0.95	0.88	0.78	0.67	0.90	24.69	12.00	7.65	0.77	*******	0.96	
6	0.96	0.96	0.88	0.79	0.75	0.90	17.00	19.50	2.95	0.80	*******	0.97	
7	0.96	0.96	0.89	0.84	0.69	0.90	21.56	18.25	1.54	0.83	*******	0.99	
8	0.97	0.97	0.90	0.78	10.25	0.84	17.25	95.35	0.60	0.84	*******	0.99	
9	0.97	0.93	0.79	0.81	2.48	11.75	10.50	143.50	0.70	0.85	*******	1.00	
10	0.97	0.73	0.79	0.85	0.63	7.65	7.65	53.25	0.64	0.86	*******	0.92	
11	0.97	0.75	0.62	0.88	0.65	0.60	2.48	44.38	0.65	0.85	*******	0.92	
12	0.97	0.86	12.25	0.88	0.66	0.64	2.01	46.65	0.67	0.87	*******	0.84	
13	0.98	0.79	2.95	0.88	1.54	0.77	2.01	47.64	0.69	0.87	*******	0.84	
14	0.99	0.88	0.67	0.88	2.95	0.76	3.42	55.89	0.71	0.87	*******	0.84	
15	0.99	0.91	0.76	0.89	2.95	2.95	2.95	68.70	0.71	0.88	*******	0.76	
16	0.99	0.66	0.84	0.90	13.25	12.50	1.07	222.95	0.72	0.88	*******	0.84	
17	0.99	0.88	0.88	0.90	13.75	9.53	2.95	136.00	0.73	0.89	*******	0.76	
18	0.99	0.89	0.88	0.81	15.25	4.36	2.48	91.30	0.74	0.89	*******	0.76	
19	1.00	0.93	0.90	0.73	15.00	4.36	12.75	40.31	0.74	0.89	*******	0.68	
20	0.99	0.95	0.92	9.06	14.50	3.89	29.38	32.50	0.74	0.90	*******	0.68	
21	0.99	0.96	0.92	6.71	11.50	3.42	25.94	26.25	0.75	0.90	*******	0.60	
22	1.00	0.98	0.93	12.50	10.75	0.64	23.75	21.56	0.75	0.90	*******	0.60	
23	1.00	0.99	0.93	2.48	7.18	0.70	20.63	18.75	0.77	0.90	*******	0.99	
24	1.00	1.00	0.76	0.73	2.01	0.74	34.06	16.25	0.78	0.88	*******	0.99	
25	0.99	1.00	0.64	0.64	0.66	0.76	27.50	14.50	0.78	0.84	*******	0.99	
26	0.99	0.99	0.67	0.65	0.73	0.76	33.13	14.00	0.80	0.77	*******	0.99	
27	0.99	0.99	12.75	2.48	0.76	0.65	35.63	13.00	0.81	0.83	*******	0.97	
28	1.00	0.96	18.75	0.73	0.76	0.62	49.95	12.00	0.80	0.86	*******	1.00	
29	1.00	0.90	25.63	0.70	0.80	2.48	49.29	10.75	0.80	0.89	*******	0.84	
30	1.00	0.88	13.75	0.75	0.82	5.30	24.38	10.00	0.75	0.90		0.92	
31		0.88		0.81	0.84		19.50		0.79	0.91		0.84	
TOTAL	29.44	28.18	106.07	57.26	138.13	82.76	507.79	1348.98	59.42	30.58	*******	27.30	******** CMSDAY
MEAN	0.98	0.91	3.54	1.85	4.46	2.76	16.38	44.97	1.92	0.99	*******	0.88	******** CMS
MAX	1.00	1.00	25.63	12.50	15.25	12.50	49.95	222.95	9.06	4.36	*******	1.00	222.95 CMS
MIN	0.95	0.66	0.62	0.64	0.63	0.60	0.61	10.00	0.60	0.66	*******	0.60	******** CMS
RUNOFF	2.544	2.435	9.164	4.947	11.934	7.150	43.873	116.552	5.134	2.642	*******	2.359	******** MCM

MOMENTARY PEAK 234.50 CMS, AT 6.20 M (A.D), AT 15.00 HOURS, ON NOV 16, 1983

RUNOFF YIELD ******** LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 245.04 LITERS/SECOND/SQUARE KM

WATER YEAR 1983

SOUTHERN PENINSULA EAST COAST

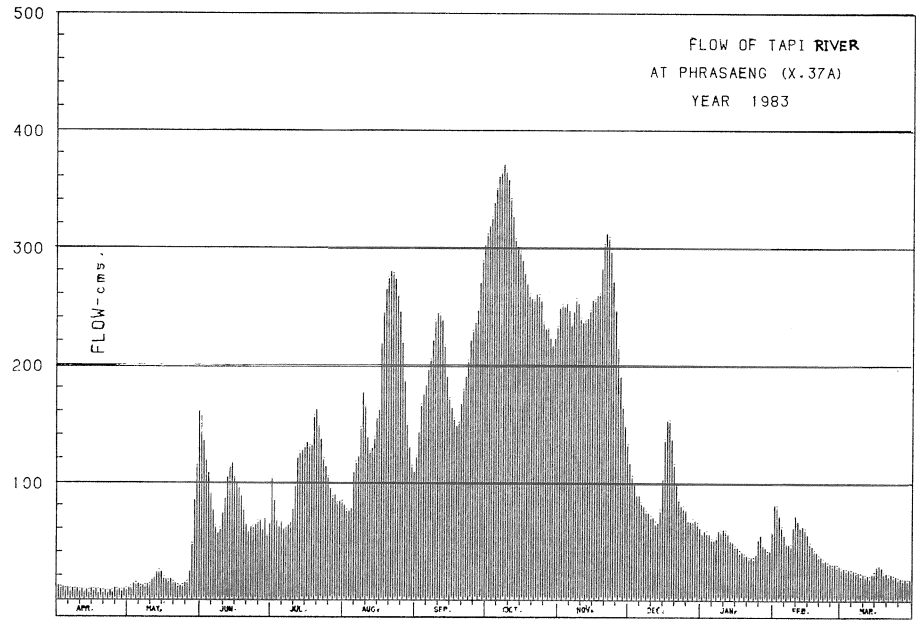
TAPI RIVER AT PHRASAENG, SURAT THANI (X.37A)

LOCATION	LAT. 8°-34'-03" N., LONG. 99°-15'-15" E., ON LEFT BANK AT TAMBON YAN DIN DAENG, AMPHOE PHRASAENG, SURAT THANI.
DRAINAGE AREA	5,200 SQ.KM.
TYPE OF GAGE	WATER-STAGE RECORDER.
ZERO GAGE AT BOTTOM	+4.80 M.(M.S.L.)
BENCH MARK	B.M.-H.D.
LOCATION	NEAR THE AUTOMATIC GAGE BUILDING.
ELEVATION	+10.572 M.(M.S.L.)
GAGE READING FREQUENCY	RECORDING.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 24 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1969 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1969 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1969 TO DATE.
STABILITY OF CHANNEL REGIMES	STABLE.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS GOOD. STAGE-DISCHARGE RELATION DEFINED BY 56 DISCHARGE MEASUREMENTS MADE IN 1983.

GAGE HEIGHT IN METER (MSL), WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	5.42	5.35	8.29	7.43	7.01	7.73	9.92	9.35	7.62	6.56	7.02	5.87	
2	5.40	5.41	7.93	7.08	6.94	8.03	9.97	9.39	7.45	6.57	7.01	5.85	
3	5.38	5.47	7.71	6.78	6.91	8.38	10.03	9.36	7.32	6.58	6.83	5.84	
4	5.36	5.51	7.48	6.64	6.99	8.48	10.12	9.41	7.21	6.52	6.66	5.83	
5	5.36	5.47	7.22	6.76	7.49	8.60	10.21	9.33	7.16	6.45	6.50	5.82	
6	5.34	5.43	6.92	6.60	7.65	8.74	10.28	9.22	7.07	6.41	6.41	5.80	
7	5.34	5.42	6.67	6.67	7.71	8.86	10.32	9.32	6.99	6.48	6.34	5.78	
8	5.34	5.45	6.53	6.67	8.10	9.05	10.35	9.44	6.92	6.57	6.34	5.76	
9	5.33	5.46	6.63	6.75	8.50	9.25	10.32	9.39	6.88	6.59	6.63	5.74	
10	5.32	5.48	6.87	6.94	8.37	9.31	10.26	9.27	6.84	6.60	6.87	5.72	
11	5.32	5.57	7.15	7.32	7.97	9.31	10.15	9.22	6.80	6.59	6.74	5.71	
12	5.31	5.67	7.42	7.69	7.79	9.24	10.03	9.24	6.74	6.52	6.67	5.69	
13	5.30	5.75	7.60	7.79	7.83	9.01	9.89	9.26	6.71	6.44	6.65	5.68	
14	5.31	5.81	7.62	7.80	7.98	8.67	9.83	9.34	6.95	6.38	6.62	5.72	
15	5.33	5.76	7.46	7.87	8.20	8.45	9.80	9.42	7.39	6.32	6.51	5.78	
16	5.33	5.65	7.35	7.91	8.33	8.33	9.73	9.43	7.96	6.28	6.38	5.88	
17	5.32	5.58	7.30	7.88	9.02	8.21	9.65	9.46	8.18	6.23	6.30	5.96	
18	5.31	5.57	7.15	7.87	9.33	8.11	9.55	9.48	8.19	6.19	6.24	5.86	
19	5.31	5.59	6.96	8.24	9.51	8.16	9.48	9.67	7.95	6.16	6.19	5.77	
20	5.30	5.54	6.68	8.31	9.61	8.38	9.43	9.85	7.62	6.12	6.13	5.74	
21	5.29	5.49	6.59	8.14	9.65	8.54	9.43	9.92	7.33	6.09	6.09	5.72	
22	5.28	5.45	6.64	7.95	9.64	8.67	9.47	9.90	7.12	6.08	6.06	5.72	
23	5.28	5.41	6.66	7.70	9.59	8.85	9.47	9.79	7.00	6.08	6.01	5.69	
24	5.30	5.45	6.68	7.57	9.48	9.05	9.41	9.59	7.00	6.14	5.98	5.66	
25	5.35	5.50	6.75	7.44	9.32	9.15	9.23	9.33	6.92	6.46	5.95	5.64	
26	5.34	5.54	6.75	7.26	9.05	9.22	9.16	9.00	6.80	6.50	5.93	5.62	
27	5.32	5.77	6.63	7.15	8.62	9.35	9.19	8.67	6.73	6.36	5.94	5.60	
28	5.32	6.36	6.78	7.17	8.15	9.56	9.07	8.36	6.78	6.27	5.93	5.60	
29	5.33	7.09	6.54	7.06	7.84	9.73	9.02	8.11	6.75	6.21	5.90	5.59	
30	5.36	7.64	6.69	7.07	7.59	9.84	9.07	7.90	6.72	6.21		5.59	
31		8.29		7.08	7.49		9.19		6.62	6.59		5.59	
MEAN	5.33	5.77	7.06	7.37	8.31	8.81	9.71	9.28	7.15	6.37	6.37	5.74	
MAX	5.42	8.29	8.29	8.31	9.65	9.84	10.35	9.92	8.19	6.60	7.02	5.96	10.35
MIN	5.28	5.35	6.53	6.60	6.91	7.73	9.02	7.90	6.62	6.08	5.90	5.59	5.28

ANNUAL MAX MOMENTARY GAGE HEIGHT 10.36 M (MSL), AT 14.00 HOURS, ON OCT 8, 1983
ZERO GAGE AT BOTTOM ELEVATION 4.80 M (MSL), RIVER BED 4.00 M (MSL)
LEFT BANK ELEVATION 12.63 M (MSL)
RIGHT BANK ELEVATION 12.75 M (MSL), DRAINAGE AREA 5200 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	12.10	10.00	160.30	104.80	80.55	122.80	311.60	248.00	116.20	58.00	81.10	27.80	
2	11.50	11.80	135.10	84.40	77.00	142.10	318.10	252.00	106.00	58.50	80.55	27.00	
3	10.90	13.60	121.60	69.00	75.50	166.60	325.90	249.00	98.20	59.00	71.50	26.60	
4	10.30	14.85	107.80	62.00	79.50	174.40	337.80	254.00	91.60	56.00	63.00	26.20	
5	10.30	13.60	92.20	68.00	108.40	184.00	350.40	246.00	88.80	52.50	55.00	25.80	
6	9.70	12.40	76.00	60.00	118.00	195.20	360.20	235.80	83.85	50.50	50.50	25.00	
7	9.70	12.10	63.50	63.50	121.60	204.80	366.00	245.00	79.50	54.00	47.30	24.30	
8	9.70	13.00	56.50	63.50	147.00	220.50	370.50	257.00	76.00	58.50	47.30	23.60	
9	9.40	13.30	61.50	67.50	176.00	238.50	366.00	252.00	74.00	59.50	61.50	22.90	
10	9.10	13.90	73.50	77.00	165.90	244.00	357.40	240.30	72.00	60.00	73.50	22.20	
11	9.10	16.95	88.25	98.20	137.90	244.00	342.00	235.80	70.00	59.50	67.00	21.85	
12	8.80	20.45	104.20	120.40	126.40	237.60	325.90	237.60	67.00	56.00	63.50	21.15	
13	8.50	23.25	115.00	126.40	128.80	216.90	307.80	239.40	65.50	52.00	62.50	20.80	
14	8.80	25.40	116.20	127.00	138.60	189.60	300.60	247.00	77.50	49.10	61.00	22.20	
15	9.40	23.60	106.60	131.20	154.00	172.00	297.00	255.00	102.40	46.40	55.50	24.30	
16	9.40	19.75	100.00	133.70	163.10	163.10	288.60	256.00	137.20	44.60	49.10	28.20	
17	9.10	17.30	97.00	131.80	217.80	154.70	279.50	259.00	152.60	42.35	45.50	31.40	
18	8.80	16.95	88.25	131.20	246.00	147.70	268.50	261.00	153.30	40.60	42.80	27.40	
19	8.80	17.65	78.00	156.80	264.10	151.20	261.00	281.70	136.50	39.40	40.60	23.95	
20	8.50	15.90	64.00	161.70	275.10	166.60	256.00	303.00	116.20	37.80	38.20	22.90	
21	8.20	14.20	59.50	149.80	279.50	179.20	256.00	311.60	98.80	36.60	36.60	22.20	
22	7.90	13.00	62.00	136.50	278.40	189.60	260.00	309.00	86.60	36.20	35.40	22.20	
23	7.90	11.80	63.00	121.00	272.90	204.00	260.00	295.80	80.00	36.20	33.40	21.15	
24	8.50	13.00	64.00	113.20	261.00	220.50	254.00	272.90	80.00	38.60	32.20	20.10	
25	10.00	14.50	67.50	105.40	245.00	229.50	236.70	246.00	76.00	53.00	31.00	19.40	
26	9.70	15.90	67.50	94.60	220.50	235.80	230.40	216.00	70.00	55.00	30.20	18.70	
27	9.10	23.95	61.50	88.25	185.60	248.00	233.10	189.60	66.50	48.20	30.60	18.00	
28	9.10	48.20	69.00	89.35	150.50	269.60	222.30	165.20	69.00	44.15	30.20	18.00	
29	9.40	84.95	57.00	83.30	129.40	288.60	217.80	147.70	67.50	41.45	29.00	17.65	
30	10.30	117.40	64.50	83.85	114.40	301.80	222.30	133.00	66.00	41.45		17.65	
31		160.30		84.40	108.40		233.10		61.00	59.50		17.65	
TOTAL	282.00	842.95	2541.00	3187.75	5246.85	6102.90	9016.50	7341.40	2785.75	1524.60	1445.55	708.25	41025.50 CMSDAY
MEAN	9.40	27.19	84.70	102.83	169.25	203.43	290.85	244.71	89.86	49.18	49.85	22.85	112.09 CMS
MAX	12.10	160.30	160.30	161.70	279.50	301.80	370.50	311.60	153.30	60.00	81.10	31.40	370.50 CMS
MIN	7.90	10.00	56.50	60.00	75.50	122.80	217.80	133.00	61.00	36.20	29.00	17.65	7.90 CMS
RUNOFF	24.365	72.831	219.542	275.422	453.328	527.291	779.026	634.297	240.689	131.725	124.896	61.193	3544.604 MCM

MOMENTARY PEAK 372.00 CMS, AT 10.36 M (MSL), AT 14.00 HOURS, ON OCT 8, 1983

RUNOFF YIELD 21.56 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 71.54 LITERS/SECOND/SQUARE KM

WATER YEAR 1983

SOUTHERN PENINSULA EAST COAST

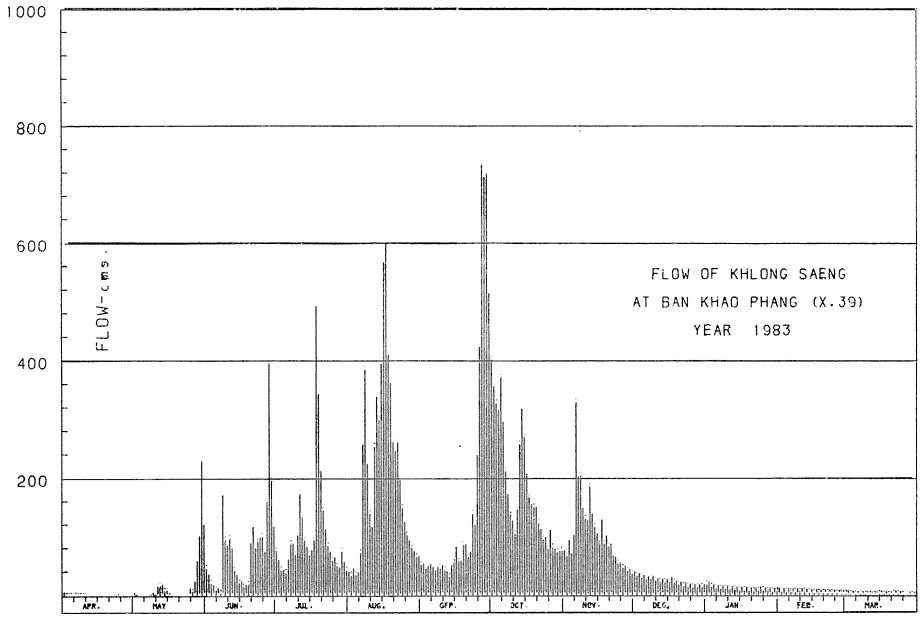
KHLONG SAENG AT BAN KHAO PHANG, SURAT THANI (X.39)

LOCATION	LAT. 8°-57'-07" N., LONG. 98°-48'-53" E., ON LEFT BANK AT BAN KHAO PHANG, AMPHOE KHIRI RATTHANIKHOM, SURAT THANI.
DRAINAGE AREA	1,437 SQ.KM.
TYPE OF GAGE	WATER-STAGE RECORDER.
ZERO GAGE AT BOTTOM	+8.550 M. (M.S.L.)
BENCH MARK	B.M.-H.D.
LOCATION	NEAR THE AUTOMATIC GAGE BUILDING.
ELEVATION	+23.639 M.(M.S.L.)
GAGE READING FREQUENCY	RECORDING.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 24 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1964 - 1983.
RATING OPERATION	
PERIOD OF RATING	1969 - 1983.
RATED BY FLOAT	-
RATED BY CURRENT METER	1969 - 1983.
STABILITY OF CHANNEL REGIMES	STABLE.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS GOOD. STAGE-DISCHARGE RELATION DEFINED BY 99 DISCHARGE MEASUREMENTS MADE IN 1983.

GAGE HEIGHT IN METER (MSL), WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	9.16	9.13	10.11	10.54	9.92	10.20	14.02	10.47	9.92	9.59	9.34	9.23	
2	9.16	9.06	9.84	10.25	9.91	10.15	13.50	10.41	9.89	9.57	9.33	9.22	
3	9.15	9.05	9.65	10.06	10.02	10.11	13.21	10.70	9.86	9.52	9.32	9.21	
4	9.15	9.05	9.48	9.98	9.91	10.08	12.99	10.47	9.83	9.47	9.31	9.20	
5	9.15	9.05	9.40	9.99	9.91	10.23	13.70	10.82	9.80	9.45	9.31	9.20	
6	9.14	8.99	9.35	10.26	10.49	10.05	12.74	13.23	9.78	9.45	9.31	9.19	
7	9.14	9.05	9.28	10.70	12.42	10.07	12.05	11.91	9.75	9.44	9.32	9.19	
8	9.14	9.06	11.60	10.64	13.84	10.05	11.61	11.98	9.78	9.43	9.32	9.19	
9	9.13	9.15	10.78	10.44	12.13	10.12	11.28	11.36	9.76	9.45	9.31	9.19	
10	9.13	9.07	10.60	10.81	11.31	10.10	11.12	11.21	9.73	9.43	9.30	9.18	
11	9.12	9.42	10.82	11.67	10.99	10.06	10.90	11.12	9.69	9.41	9.32	9.18	
12	9.12	9.54	10.53	11.19	12.44	9.93	11.33	11.78	9.67	9.41	9.32	9.18	
13	9.12	9.50	10.05	10.77	13.28	9.86	12.47	11.25	9.67	9.40	9.30	9.17	
14	9.12	9.35	9.84	10.57	12.85	10.10	13.03	11.06	9.67	9.39	9.29	9.17	
15	9.11	9.24	9.65	10.45	13.89	10.25	12.57	10.85	9.66	9.38	9.27	9.22	
16	9.11	9.13	9.61	10.49	15.32	10.56	11.96	10.68	9.69	9.37	9.28	9.21	
17	9.11	9.07	9.52	10.77	15.48	10.28	11.60	11.14	9.74	9.37	9.28	9.20	
18	9.11	9.06	9.48	14.78	14.09	10.22	11.43	10.69	9.66	9.36	9.28	9.18	
19	9.10	9.05	9.60	13.41	13.56	10.68	11.43	10.80	9.61	9.36	9.26	9.17	
20	9.10	9.05	10.65	12.01	12.50	10.62	11.38	10.64	9.59	9.35	9.27	9.17	
21	9.10	9.00	11.07	11.37	12.33	10.38	11.13	10.63	9.57	9.35	9.26	9.21	
22	9.10	8.99	10.53	10.94	12.50	10.44	10.94	10.41	9.54	9.35	9.26	9.21	
23	9.10	8.99	10.73	10.65	11.85	11.31	10.79	10.32	9.55	9.37	9.26	9.21	
24	9.09	8.98	10.77	10.45	11.42	11.03	10.77	10.24	9.53	9.39	9.25	9.19	
25	9.09	9.34	10.85	10.30	11.10	12.32	10.58	10.18	9.51	9.38	9.25	9.17	
26	9.09	9.30	10.44	10.31	10.88	14.17	10.92	10.12	9.50	9.35	9.25	9.16	
27	9.09	9.60	11.54	10.15	10.70	16.14	10.62	10.07	9.49	9.35	9.25	9.16	
28	9.09	10.30	13.90	10.04	10.59	16.04	10.51	10.03	9.49	9.34	9.24	9.16	
29	9.08	10.80	11.90	10.53	10.46	16.09	10.51	9.99	9.48	9.33	9.24	9.16	
30	9.08	12.24	11.00	10.20	10.40	14.94	10.45	9.95	9.51	9.33		9.15	
31		11.05		10.05	10.33		10.54		9.49	9.35		9.15	
MEAN	9.12	9.41	10.42	10.80	11.83	11.22	11.68	10.82	9.66	9.40	9.29	9.19	
MAX	9.16	12.24	13.90	14.78	15.48	16.14	14.02	13.23	9.92	9.59	9.34	9.23	16.14
MIN	9.08	8.98	9.28	9.98	9.91	9.86	10.45	9.95	9.48	9.33	9.24	9.15	8.98

ANNUAL MAX MOMENTARY GAGE HEIGHT 16.44 M (MSL), AT 6.00 HOURS, ON SEP 29, 1983
ZERO GAGE AT BOTTOM ELEVATION 8.55 M (MSL), RIVER BED 8.36 M (MSL)
LEFT BANK ELEVATION 23.28 M (MSL)
RIGHT BANK ELEVATION 20.70 M (MSL), DRAINAGE AREA 1437 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	6.40	5.20	52.60	81.80	41.20	58.00	408.00	76.90	41.20	24.50	13.60	9.20	
2	6.40	2.40	37.00	61.50	40.60	55.00	356.00	72.70	39.50	23.50	13.20	8.80	
3	6.00	2.00	27.50	49.60	47.20	52.60	332.80	94.00	38.00	21.00	12.80	8.40	
4	6.00	2.00	19.20	44.80	40.60	50.80	315.30	76.90	36.50	18.80	12.40	8.00	
5	6.00	2.00	16.00	45.40	40.60	60.10	376.00	103.60	35.00	18.00	12.40	8.00	
6	5.60	0.00	14.00	62.20	78.30	49.00	295.80	334.40	34.00	18.00	12.40	7.60	
7	5.60	2.00	11.20	94.00	257.40	50.20	217.00	203.00	32.50	17.60	12.80	7.60	
8	5.60	2.40	172.00	89.20	390.00	49.00	173.00	210.00	34.00	17.20	12.80	7.60	
9	5.20	6.00	100.40	74.80	225.00	53.20	142.20	149.40	33.00	18.00	12.40	7.60	
10	5.20	2.80	86.00	102.80	144.90	52.00	127.80	135.90	31.50	17.20	12.00	7.20	
11	4.80	16.80	103.60	179.00	117.20	49.60	110.00	127.80	29.50	16.40	12.80	7.20	
12	4.80	22.00	81.10	134.10	259.80	41.80	146.70	190.00	28.50	16.40	12.80	7.20	
13	4.80	20.00	49.00	99.60	338.40	38.00	263.40	139.50	28.50	16.00	12.00	6.80	
14	4.80	14.00	37.00	83.90	306.00	52.00	318.40	122.80	28.50	15.60	11.60	6.80	
15	4.40	9.60	27.50	75.50	395.00	61.50	275.40	106.00	28.00	15.20	10.80	8.80	
16	4.40	5.20	25.50	78.30	573.20	83.20	208.00	92.40	29.50	14.80	11.20	8.40	
17	4.40	2.80	21.00	99.60	599.60	63.60	172.00	129.60	32.00	14.80	11.20	8.00	
18	4.40	2.40	19.20	493.60	415.00	59.40	155.70	93.20	28.00	14.40	11.20	7.20	
19	4.00	2.00	25.00	348.80	362.00	92.40	155.70	102.00	25.50	14.40	10.40	6.80	
20	4.00	2.00	90.00	213.00	267.00	87.60	151.20	89.20	24.50	14.00	10.80	6.80	
21	4.00	0.00	123.60	150.30	246.60	70.60	128.70	88.40	23.50	14.00	10.40	8.40	
22	4.00	0.00	81.10	113.20	267.00	74.80	113.20	72.70	22.00	14.00	10.40	8.40	
23	4.00	0.00	96.40	90.00	197.00	144.90	101.20	66.40	22.50	14.80	10.40	8.40	
24	3.60	0.00	99.60	75.50	154.80	120.40	99.60	60.80	21.50	15.60	10.00	7.60	
25	3.60	13.60	106.00	65.00	126.00	245.40	84.60	56.80	20.50	15.20	10.00	6.80	
26	3.60	12.00	74.80	65.70	108.40	423.00	111.60	53.20	20.00	14.00	10.00	6.40	
27	3.60	25.00	166.00	55.00	94.00	739.20	87.60	50.20	19.60	14.00	10.00	6.40	
28	3.60	65.00	396.00	48.40	85.30	713.60	79.70	47.80	19.60	13.60	9.60	6.40	
29	3.20	102.00	202.00	81.10	76.20	725.60	79.70	45.40	19.20	13.20	9.60	6.40	
30	3.20	236.40	118.00	58.00	72.00	514.20	75.50	43.00	20.50	13.20		6.00	
31		122.00		49.00	67.10		81.80		19.60	14.00		6.00	
TOTAL	139.20	699.60	2478.30	3362.70	6433.40	4930.70	5743.60	3234.00	866.20	501.40	332.00	231.20	28952.30 CMSDAY
MEAN	4.64	22.57	82.61	108.47	207.53	164.36	185.28	107.80	27.94	16.17	11.45	7.46	79.10 CMS
MAX	6.40	236.40	396.00	493.60	599.60	739.20	408.00	334.40	41.20	24.50	13.60	9.20	739.20 CMS
MIN	3.20	0.00	11.20	44.80	40.60	38.00	75.50	43.00	19.20	13.20	9.60	6.00	0.00 CMS
RUNOFF	12.027	60.445	214.125	290.537	555.846	426.013	496.247	279.418	74.840	43.321	28.685	19.976	2501.479 MCM

MOMENTARY PEAK 830.40 CMS, AT 16.44 M (MSL), AT 6.00 HOURS, ON SEP 29, 1983
RUNOFF YIELD 55.05 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 577.87 LITERS/SECOND/SQUARE KM

WATER YEAR 1983

SOUTHERN PENINSULA EAST COAST

KHLONG SOK AT BAN LANG THAM, SURAT THANI (X.58)

LOCATION — LAT. 8°-53'-05" N., LONG. 98°-40'-06" E., ON RIGHT BANK ABOUT 10 METERS DOWNSTREAM FROM THE BRIDGE OF TAKUAPA-SURAT THANI HIGHWAY, AMPHOE PHANOM, SURAT THANI.

DRAINAGE AREA — 312 SQ.KM.

TYPE OF GAGE — STAFF GAGE.

ZERO GAGE AT BOTTOM — +0.00 M. (A.D.).

BENCH MARK — B.M.-H.D.

LOCATION — B.M.1 ABOUT 12 METERS FROM THE TOP OF STAFF GAGE, B.M.2 ABOUT 11.5 METERS FROM B.M.1.

ELEVATION — B.M.1 =+7.055 M (A.D.), B.M.2 =+6.942 M. (A.D.)

GAGE READING FREQUENCY — 5-TIME DAILY READINGS AT 06.00, 09.00, 12.00, 15.00 AND 18.00 HOURS.

BASIS OF MEAN DAILY GAGE HEIGHT — ARITHMETIC MEAN OF 5 READINGS.

PERIOD OF AVAILABLE GAGE RECORDS — 1972 TO DATE.

RATING OPERATION

PERIOD OF RATING — 1972-1980.

RATED BY FLOAT — -

RATED BY CURRENT METER — 1972-1980.

STABILITY OF CHANNEL REGIMES — FAIRLY STABLE.

OVERBANK FLOW CONDITIONS — NO OVERBANGK FLOW.

GENERAL DESCRIPTION — RECORDS FAIR. STAGE-DISCHARGE RELATION DEFINED BY 25 DISCHARGE MEASUREMENTS MADE IN 1980.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

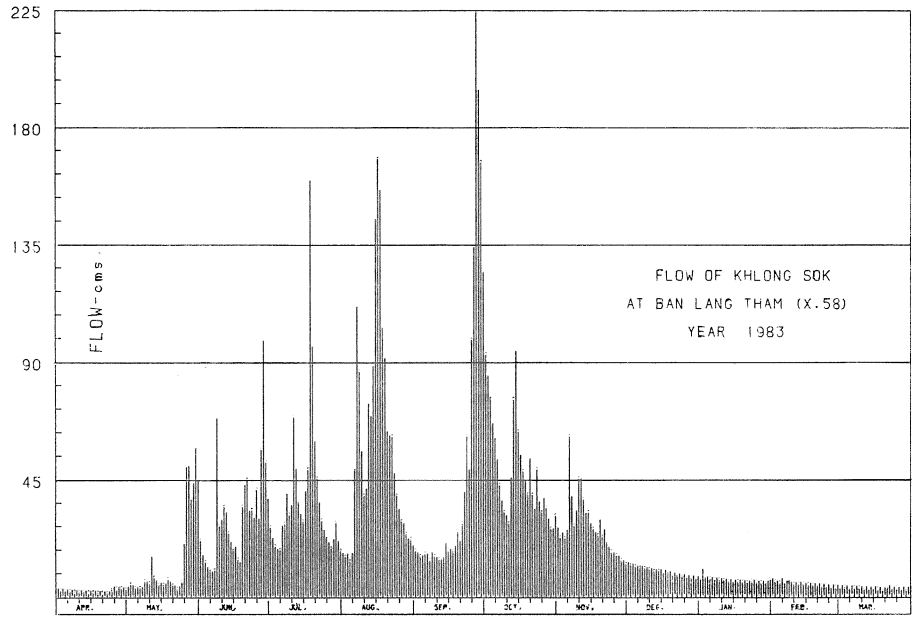
DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.30	0.35	1.16	1.34	0.96	1.02	3.13	1.31	0.82	0.56	0.52	0.39	
2	0.30	0.44	0.93	1.17	0.93	0.97	2.93	1.20	0.80	0.70	0.49	0.38	
3	0.30	0.39	0.85	1.08	0.95	0.94	2.74	1.24	0.80	0.58	0.47	0.38	
4	0.29	0.36	0.73	1.02	0.86	0.92	2.49	1.19	0.78	0.55	0.47	0.37	
5	0.28	0.34	0.68	1.03	0.96	0.98	2.37	1.28	0.76	0.55	0.52	0.37	
6	0.28	0.36	0.65	1.34	2.00	0.95	2.11	2.38	0.75	0.54	0.47	0.37	
7	0.27	0.34	0.71	1.39	3.51	0.88	1.85	1.70	0.75	0.53	0.47	0.36	
8	0.27	0.50	2.54	1.73	2.98	0.97	1.65	1.36	0.74	0.53	0.47	0.36	
9	0.26	0.46	1.36	1.50	2.20	0.94	1.53	1.53	0.73	0.52	0.45	0.36	
10	0.26	0.46	1.42	1.60	1.73	0.90	1.47	1.92	0.72	0.52	0.44	0.35	
11	0.26	0.91	1.60	2.57	1.79	0.89	1.39	1.90	0.71	0.51	0.44	0.35	
12	0.26	0.57	1.51	2.01	2.70	0.86	1.91	1.69	0.69	0.51	0.45	0.35	
13	0.25	0.48	1.26	1.66	2.56	0.94	2.74	1.50	0.69	0.50	0.45	0.35	
14	0.25	0.43	1.12	1.49	3.03	1.10	3.14	1.53	0.69	0.50	0.44	0.34	
15	0.25	0.44	1.02	1.42	4.18	1.03	2.43	1.37	0.69	0.49	0.43	0.36	
16	0.25	0.43	1.05	1.76	4.61	1.02	2.16	1.32	0.68	0.49	0.43	0.35	
17	0.25	0.42	0.89	2.02	4.38	1.02	2.00	1.25	0.68	0.49	0.43	0.34	
18	0.24	0.54	0.82	4.45	3.36	1.06	1.87	1.23	0.67	0.49	0.42	0.33	
19	0.24	0.46	1.60	3.20	3.08	1.28	1.74	1.42	0.65	0.48	0.42	0.33	
20	0.24	0.42	1.83	2.31	2.44	1.13	2.12	1.21	0.63	0.48	0.42	0.32	
21	0.23	0.38	1.91	1.92	2.37	1.39	1.74	1.29	0.63	0.47	0.42	0.37	
22	0.23	0.34	1.53	1.63	2.38	1.75	1.55	1.14	0.62	0.47	0.41	0.38	
23	0.23	0.36	1.56	1.43	1.96	2.38	2.02	1.05	0.61	0.50	0.41	0.36	
24	0.31	0.49	1.44	1.28	1.73	2.00	1.64	1.01	0.61	0.49	0.41	0.34	
25	0.35	1.09	1.80	1.18	1.55	3.25	1.53	0.97	0.60	0.48	0.40	0.36	
26	0.34	2.05	1.43	1.11	1.42	3.97	1.68	0.95	0.59	0.47	0.40	0.33	
27	0.35	2.04	2.24	1.05	1.37	5.61	1.59	0.92	0.58	0.47	0.40	0.35	
28	0.36	1.69	3.23	1.15	1.25	5.08	1.43	0.88	0.58	0.47	0.39	0.34	
29	0.33	1.65	2.10	1.41	1.18	4.59	1.32	0.85	0.57	0.46	0.39	0.33	
30	0.32	2.26	1.67	1.13	1.18	3.78	1.30	0.82	0.57	0.47		0.34	
31		1.88		1.02	1.07		1.49		0.56	0.53		0.35	
MEAN	0.28	0.76	1.42	1.63	2.15	1.79	1.97	1.31	0.68	0.51	0.44	0.35	
MAX	0.36	2.26	3.23	4.45	4.61	5.61	3.14	2.38	0.82	0.70	0.52	0.39	5.61
MIN	0.23	0.34	0.65	1.02	0.86	0.86	1.30	0.82	0.56	0.46	0.39	0.32	0.23

ANNUAL MAX MOMENTARY GAGE HEIGHT — 5.68 M (A.D), AT 18.00 HOURS, ON SEP 27, 1983

ZERO GAGE AT BOTTOM ELEVATION — 0.00 M (A.D), RIVER BED -0.50 M (A.D)

LEFT BANK ELEVATION — 10.79 M (A.D)

RIGHT BANK ELEVATION — 10.89 M (A.D), DRAINAGE AREA 312 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	3.50	4.25	22.48	27.52	17.00	18.56	93.85	26.68	13.50	8.20	7.40	4.85	
2	3.50	5.80	16.25	22.76	16.25	17.25	84.85	23.60	13.00	11.00	6.80	4.70	
3	3.50	4.85	14.25	20.24	16.75	16.50	76.60	24.72	13.00	8.60	6.40	4.70	
4	3.35	4.40	11.60	18.56	14.50	16.00	66.60	23.32	12.60	8.00	6.40	4.55	
5	3.20	4.10	10.60	18.84	17.00	17.50	61.95	25.84	12.20	8.00	7.40	4.55	
6	3.20	4.40	10.00	27.52	49.00	16.75	52.85	62.30	12.00	7.80	6.40	4.55	
7	3.05	4.10	11.20	28.92	111.28	15.00	43.75	38.70	12.00	7.60	6.40	4.40	
8	3.05	7.00	68.60	39.69	87.10	17.25	37.05	28.08	11.80	7.60	6.40	4.40	
9	2.90	6.20	28.08	32.30	56.00	16.50	33.23	33.23	11.60	7.40	6.00	4.40	
10	2.90	6.20	29.82	35.40	39.69	15.50	31.37	46.20	11.40	7.40	5.80	4.25	
11	2.90	15.75	35.40	69.80	41.67	15.25	28.92	45.50	11.20	7.20	5.80	4.25	
12	2.90	8.40	32.61	49.35	75.00	14.50	45.85	38.37	10.80	7.20	6.00	4.25	
13	2.75	6.60	25.28	37.38	69.40	16.50	76.60	32.30	10.80	7.00	6.00	4.25	
14	2.75	5.60	21.36	31.99	89.35	20.80	94.30	33.23	10.80	7.00	5.80	4.10	
15	2.75	5.80	18.56	29.82	144.96	18.84	64.20	28.36	10.80	6.80	5.60	4.40	
16	2.75	5.60	19.40	40.68	168.55	18.56	54.60	26.96	10.60	6.80	5.60	4.25	
17	2.75	5.40	15.25	49.70	155.90	18.56	49.00	25.00	10.60	6.80	5.60	4.10	
18	2.60	7.80	13.50	159.75	104.20	19.68	44.45	24.44	10.40	6.80	5.40	3.95	
19	2.60	6.20	35.40	97.00	91.60	25.84	40.02	29.82	10.00	6.60	5.40	3.95	
20	2.60	5.40	43.05	59.85	64.60	21.64	53.20	23.88	9.60	6.60	5.40	3.80	
21	2.45	4.70	45.85	46.20	61.95	28.92	40.02	26.12	9.60	6.40	5.40	4.55	
22	2.45	4.10	33.23	36.39	62.30	40.35	33.85	21.92	9.40	6.40	5.20	4.70	
23	2.45	4.40	34.16	30.13	47.60	62.30	49.70	19.40	9.20	7.00	5.20	4.40	
24	3.65	6.80	30.44	25.84	39.69	49.00	36.72	18.28	9.20	6.80	5.20	4.10	
25	4.25	20.52	42.00	23.04	33.85	99.25	33.23	17.25	9.00	6.60	5.00	4.40	
26	4.10	50.75	30.13	21.08	29.82	134.10	38.04	16.75	8.80	6.40	5.00	3.95	
27	4.25	50.40	57.40	19.40	28.36	225.60	35.09	16.00	8.60	6.40	5.00	4.25	
28	4.40	38.37	98.35	22.20	25.00	194.40	30.13	15.00	8.60	6.40	4.85	4.10	
29	3.95	43.75	52.50	29.51	22.48	167.45	26.96	14.25	8.40	6.20	4.85	3.95	
30	3.80	58.10	37.71	21.64	23.04	124.60	26.40	13.50	8.40	6.40		4.10	
31		44.80		18.56	19.96		31.99		8.20	7.60		4.25	
TOTAL	95.25	450.54	944.46	1191.06	1823.85	1482.95	1515.37	819.00	326.10	223.00	167.70	133.40	9172.68 CMSDAY
MEAN	3.17	14.53	31.48	38.42	58.83	49.43	48.88	27.30	10.52	7.19	5.78	4.30	25.06 CMS
MAX	4.40	58.10	98.35	159.75	168.55	225.60	94.30	62.30	13.50	11.00	7.40	4.85	225.60 CMS
MIN	2.45	4.10	10.00	18.56	14.50	14.50	26.40	13.50	8.20	6.20	4.85	3.80	2.45 CMS
RUNOFF	8.230	38.927	81.601	102.908	157.581	128.127	130.928	70.762	28.175	19.267	14.489	11.526	792.520 MCM

MOMENTARY PEAK 229.80 CMS, AT 5.68 M (A.D), AT 18.00 HOURS, ON SEP 27, 1983
RUNOFF YIELD 80.33 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 736.54 LITERS/SECOND/SQUARE KM

WATER YEAR 1983

SOUTHERN PENINSULA EAST COAST

KHLONG LAM PHUN AT BAN PLAI NAM, SURAT THANI (X.80)

LOCATION — LAT. 8°-52'-23" N., LONG. 99°-25'-59" E., ON LEFT BANK AT BAN PLAI NAM, TAMBON LAM PHUN, AMPHOE BAN NA SAN, SURAT THANI.

DRAINAGE AREA — 114 SQ.KM.

TYPE OF GAGE — STAFF GAGE.

ZERO GAGE AT BOTTOM — +0.00 M. (A.D.)

BENCH MARK — B.M. -H.D.

LOCATION — ON LEFT BANK INFRONT OF THE KHAO NOI SCHOOL AND ABOUT 2 METERS FROM THE TOP OF STAFF GAGE.

ELEVATION — +2.743 M.(A.D.)

GAGE READING FREQUENCY — 5-TIME DAILY READINGS AT 06.00, 09.00, 12.00, 15.00, AND 18.00 HOURS.

BASIS OF MEAN DAILY GAGE HEIGHT — ARITHMETIC MEAN OF 5 READINGS.

PERIOD OF AVAILABLE GAGE RECORDS — 1969 TO DATE.

RATING OPERATION

PERIOD OF RATING — 1982 TO DATE.

RATED BY FLOAT — -

RATED BY CURRENT METER — 1982 TO DATE.

STABILITY OF CHANNEL REGIMES — STABLE.

OVERBANK FLOW CONDITIONS — NO OVERBANK FLOW.

GENERAL DESCRIPTION — RECORDS POOR. STAGE-DISCHARGE RELATION DEFINED BY 100 DISCHARGE MEASUREMENTS MADE IN 1983.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

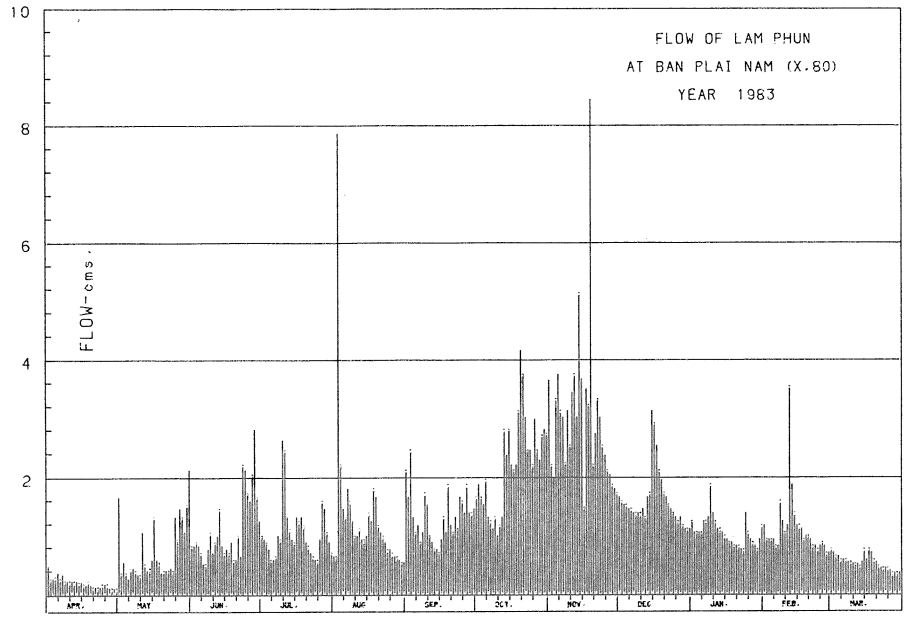
DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.37	0.57	0.44	0.47	0.41	0.63	0.57	0.79	0.57	0.51	0.50	0.43	
2	0.31	0.34	0.44	0.46	0.41	0.57	0.60	0.92	0.56	0.48	0.46	0.42	
3	0.31	0.39	0.45	0.45	1.13	0.67	0.57	0.87	0.55	0.48	0.46	0.41	
4	0.32	0.34	0.44	0.43	0.64	0.52	0.55	0.76	0.55	0.48	0.46	0.41	
5	0.34	0.31	0.42	0.40	0.54	0.48	0.61	0.80	0.54	0.48	0.46	0.40	
6	0.31	0.36	0.38	0.40	0.52	0.50	0.52	0.74	0.54	0.51	0.44	0.40	
7	0.33	0.36	0.38	0.41	0.59	0.45	0.51	0.73	0.53	0.51	0.44	0.40	
8	0.30	0.35	0.43	0.47	0.56	0.48	0.49	0.86	0.53	0.52	0.56	0.39	
9	0.30	0.33	0.48	0.46	0.51	0.58	0.52	0.74	0.53	0.60	0.51	0.39	
10	0.30	0.33	0.42	0.69	0.47	0.55	0.47	0.68	0.53	0.53	0.48	0.38	
11	0.30	0.48	0.45	0.67	0.47	0.47	0.50	0.77	0.54	0.51	0.50	0.38	
12	0.30	0.38	0.47	0.52	0.49	0.45	0.52	0.80	0.52	0.49	0.78	0.38	
13	0.30	0.35	0.54	0.49	0.46	0.43	0.71	0.73	0.57	0.49	0.60	0.37	
14	0.29	0.36	0.44	0.46	0.46	0.43	0.66	0.98	0.58	0.48	0.53	0.39	
15	0.29	0.40	0.42	0.45	0.47	0.42	0.71	0.95	0.74	0.47	0.50	0.43	
16	0.28	0.52	0.43	0.52	0.53	0.46	0.64	0.89	0.72	0.46	0.50	0.40	
17	0.27	0.40	0.42	0.51	0.51	0.52	0.63	0.81	0.68	0.45	0.49	0.43	
18	0.30	0.39	0.45	0.52	0.59	0.48	0.92	0.75	0.63	0.45	0.46	0.42	
19	0.27	0.34	0.40	0.50	0.57	0.60	0.74	1.17	0.61	0.44	0.47	0.40	
20	0.26	0.35	0.40	0.45	0.50	0.50	0.96	0.92	0.58	0.44	0.47	0.39	
21	0.26	0.35	0.47	0.44	0.48	0.48	0.80	0.84	0.57	0.44	0.46	0.37	
22	0.26	0.35	0.41	0.42	0.47	0.52	0.73	0.76	0.55	0.43	0.44	0.36	
23	0.26	0.36	0.64	0.41	0.45	0.49	0.67	0.73	0.54	0.43	0.44	0.36	
24	0.28	0.35	0.63	0.40	0.43	0.57	0.67	0.68	0.53	0.53	0.43	0.36	
25	0.28	0.52	0.58	0.40	0.43	0.56	0.64	0.66	0.52	0.48	0.44	0.36	
26	0.28	0.46	0.56	0.46	0.42	0.53	0.83	0.63	0.51	0.46	0.45	0.35	
27	0.25	0.54	0.62	0.56	0.41	0.60	0.67	0.62	0.52	0.45	0.44	0.34	
28	0.25	0.52	0.71	0.54	0.41	0.53	0.65	0.60	0.50	0.44	0.42	0.34	
29	0.25	0.48	0.57	0.48	0.40	0.53	0.70	0.59	0.49	0.43	0.42	0.34	
30	0.25	0.55	0.51	0.45	0.39	0.54	0.71	0.58	0.49	0.46		0.34	
31		0.63		0.42	0.39		0.84		0.49	0.50		0.35	
MEAN	0.29	0.41	0.48	0.47	0.50	0.52	0.66	0.78	0.56	0.48	0.48	0.38	
MAX	0.37	0.63	0.71	0.69	1.13	0.67	0.96	1.17	0.74	0.60	0.78	0.43	1.17
MIN	0.25	0.31	0.38	0.40	0.39	0.42	0.47	0.58	0.49	0.43	0.42	0.34	0.25

ANNUAL MAX MOMENTARY GAGE HEIGHT — 1.48 M (A.D), AT 18.00 HOURS, ON AUG 3, 1983

ZERO GAGE AT BOTTOM ELEVATION — 0.00 M (A.D), RIVER BED — 0.25 M (A.D)

LEFT BANK ELEVATION — 3.49 M (A.D)

RIGHT BANK ELEVATION — 3.15 M (A.D), DRAINAGE AREA — 114 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.49	1.67	0.84	1.01	0.66	2.13	1.67	3.66	1.67	1.26	1.19	0.78	
2	0.28	0.38	0.84	0.95	0.66	1.67	1.88	2.22	1.60	1.07	0.95	0.72	
3	0.28	0.56	0.90	0.90	7.87	2.47	1.67	2.00	1.54	1.07	0.95	0.66	
4	0.31	0.38	0.84	0.78	2.22	1.33	1.54	3.34	1.54	1.07	0.95	0.66	
5	0.38	0.28	0.72	0.60	1.47	1.07	1.96	3.76	1.47	1.07	0.95	0.60	
6	0.28	0.46	0.53	0.60	1.33	1.19	1.33	3.14	1.47	1.26	0.84	0.60	
7	0.35	0.46	0.53	0.66	1.81	0.90	1.26	3.03	1.40	1.26	0.84	0.60	
8	0.24	0.42	0.78	1.01	1.60	1.07	1.13	2.25	1.40	1.33	1.60	0.56	
9	0.24	0.35	1.07	0.95	1.26	1.74	1.33	3.14	1.40	1.88	1.26	0.56	
10	0.24	0.35	0.72	2.64	1.01	1.54	1.01	2.55	1.40	1.40	1.07	0.53	
11	0.24	1.07	0.90	2.47	1.01	1.01	1.19	3.45	1.47	1.26	1.19	0.53	
12	0.24	0.53	1.01	1.33	1.13	0.90	1.33	3.76	1.33	1.13	3.55	0.53	
13	0.24	0.42	1.47	1.13	0.95	0.78	2.82	3.03	1.67	1.13	1.88	0.49	
14	0.22	0.46	0.84	0.95	0.95	0.78	2.38	5.14	1.74	1.07	1.40	0.56	
15	0.22	0.60	0.72	0.90	1.01	0.72	2.82	3.68	3.14	1.01	1.19	0.78	
16	0.19	1.33	0.78	1.33	1.40	0.95	2.22	1.49	2.93	0.95	1.19	0.60	
17	0.17	0.60	0.72	1.26	1.26	1.33	2.13	3.51	2.55	0.90	1.13	0.78	
18	0.24	0.56	0.90	1.33	1.81	1.07	2.22	3.24	2.13	0.90	0.95	0.72	
19	0.17	0.38	0.60	1.19	1.67	1.88	3.14	8.45	1.96	0.84	1.01	0.60	
20	0.14	0.42	0.60	0.90	1.19	1.19	4.17	2.22	1.74	0.84	1.01	0.56	
21	0.14	0.42	1.01	0.84	1.07	1.07	3.76	2.75	1.67	0.84	0.95	0.49	
22	0.14	0.42	0.66	0.72	1.01	1.33	3.03	3.34	1.54	0.78	0.84	0.46	
23	0.14	0.46	2.22	0.66	0.90	1.13	2.47	3.03	1.47	0.78	0.84	0.46	
24	0.19	0.42	2.13	0.60	0.78	1.67	2.47	2.55	1.40	1.40	0.78	0.46	
25	0.19	1.33	1.74	0.60	0.78	1.60	2.22	2.38	1.33	1.07	0.84	0.46	
26	0.19	0.95	1.60	0.95	0.72	1.40	3.00	2.13	1.26	0.95	0.90	0.42	
27	0.12	1.47	2.05	1.60	0.66	1.88	2.47	2.05	1.33	0.90	0.84	0.38	
28	0.12	1.33	2.82	1.47	0.66	1.40	2.30	1.88	1.19	0.84	0.72	0.38	
29	0.12	1.07	1.67	1.07	0.60	1.40	2.72	1.81	1.13	0.78	0.72	0.38	
30	0.12	1.54	1.26	0.90	0.56	1.47	2.82	1.74	1.13	0.95		0.38	
31		2.13		0.72	0.56		2.75		1.13	1.19		0.42	
TOTAL	6.63	23.22	33.47	33.02	40.57	40.07	69.21	90.72	50.13	33.18	32.53	17.11	469.86 CMSDAY
MEAN	0.22	0.75	1.12	1.07	1.31	1.34	2.23	3.02	1.62	1.07	1.12	0.55	1.28 CMS
MAX	0.49	2.13	2.82	2.64	7.87	2.47	4.17	8.45	3.14	1.88	3.55	0.78	8.45 CMS
MIN	0.12	0.28	0.53	0.60	0.56	0.72	1.01	1.49	1.13	0.78	0.72	0.38	0.12 CMS
RUNOFF	0.573	2.006	2.892	2.853	3.505	3.462	5.980	7.838	4.331	2.867	2.811	1.478	40.596 MCM

MOMENTARY PEAK 13.34 CMS, AT 1.48 M (A.D), AT 18.00 HOURS, ON AUG 3, 1983
RUNOFF YIELD 11.26 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 117.05 LITERS/SECOND/SQUARE KM

WATER YEAR 1983

SOUTHERN PENINSULA EAST COAST

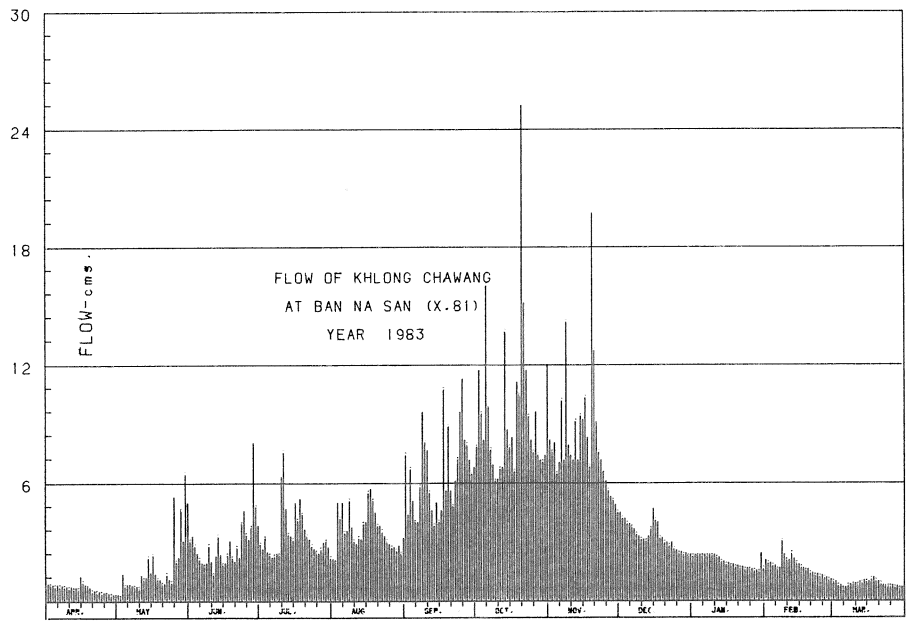
KHLONG CHAWANG AT BAN NA SAN, SURAT THANI (X.81)

LOCATION	LAT. 8°-48'-16" N., LONG. 99°-22'-27" E., ON LEFT BANK AT BAN NA SAN, TAMBON BAN NA SAN, AMPHOE BAN NA SAN, SURAT THANI.
DRAINAGE AREA	219.SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM	+0.00 M.(A.D.)
BENCH MARK	B.M.-H.D.
LOCATION	ON LEFT BANK NEAR THE PUMPING STATION.
ELEVATION	+3.797 M.(A.D.)
GAGE READING FREQUENCY	5-TIME DAILY READINGS AT 06.00, 09.00, 12.00, 15.00, AND 18.00 HOURS.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 5 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1969 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1982 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1982 TO DATE.
STABILITY OF CHANNEL REGIMES	STABLE.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS GOOD. STAGE-DISCHARGE RELATION DEFINED BY 114 DISCHARGE MEASUREMENTS MADE IN 1983.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	1.04	0.93	1.38	1.36	1.25	1.81	1.84	1.86	1.53	1.28	1.24	1.07	
2	1.04	0.92	1.40	1.32	1.24	1.52	2.12	1.82	1.51	1.28	1.23	1.06	
3	1.03	1.13	1.35	1.40	1.58	1.75	1.97	1.85	1.50	1.28	1.22	1.03	
4	1.03	1.03	1.29	1.30	1.51	1.59	1.86	1.73	1.48	1.28	1.21	1.02	
5	1.03	1.03	1.26	1.29	1.58	1.49	2.39	1.77	1.47	1.28	1.20	1.00	
6	1.03	1.03	1.22	1.26	1.43	1.48	1.99	2.02	1.46	1.28	1.18	1.00	
7	1.02	1.02	1.21	1.28	1.43	1.67	1.83	1.78	1.44	1.28	1.18	1.03	
8	1.02	1.02	1.22	1.29	1.60	1.97	1.76	2.28	1.42	1.28	1.38	1.03	
9	1.01	1.01	1.35	1.29	1.45	1.86	1.70	1.84	1.40	1.28	1.28	1.04	
10	1.01	1.01	1.23	1.71	1.38	1.82	1.70	1.81	1.39	1.28	1.25	1.04	
11	1.01	1.12	1.14	1.82	1.35	1.64	1.75	1.78	1.38	1.27	1.24	1.04	
12	1.00	1.10	1.27	1.55	1.40	1.54	1.75	1.94	1.38	1.26	1.30	1.06	
13	1.00	1.10	1.41	1.42	1.38	1.47	2.25	1.78	1.40	1.24	1.25	1.06	
14	1.00	1.27	1.28	1.40	1.48	1.58	1.90	1.96	1.45	1.23	1.23	1.07	
15	1.11	1.14	1.22	1.39	1.48	1.49	1.84	1.94	1.55	1.22	1.21	1.07	
16	1.07	1.29	1.22	1.58	1.64	1.54	1.87	2.03	1.50	1.22	1.20	1.06	
17	1.03	1.13	1.29	1.50	1.65	2.06	1.74	1.87	1.48	1.21	1.18	1.10	
18	1.02	1.10	1.37	1.60	1.60	1.64	2.08	1.76	1.40	1.21	1.17	1.10	
19	1.00	1.08	1.27	1.53	1.53	1.92	2.04	2.58	1.39	1.20	1.17	1.08	
20	0.98	1.05	1.23	1.44	1.47	1.64	2.83	2.19	1.37	1.20	1.15	1.06	
21	0.97	1.04	1.34	1.41	1.46	1.57	2.34	1.93	1.36	1.19	1.14	1.05	
22	0.97	1.14	1.26	1.38	1.44	1.69	2.12	1.82	1.35	1.19	1.13	1.05	
23	0.96	1.08	1.48	1.35	1.40	1.79	1.96	1.78	1.36	1.18	1.13	1.04	
24	0.96	1.07	1.54	1.32	1.38	1.97	1.86	1.74	1.33	1.18	1.12	1.03	
25	0.95	1.61	1.42	1.31	1.35	2.10	1.82	1.69	1.31	1.18	1.12	1.02	
26	0.95	1.24	1.38	1.29	1.34	1.86	1.97	1.65	1.30	1.17	1.11	1.02	
27	0.94	1.26	1.46	1.33	1.33	1.85	1.81	1.61	1.30	1.17	1.10	1.01	
28	0.94	1.55	1.85	1.36	1.32	1.78	1.78	1.60	1.29	1.16	1.09	1.01	
29	0.93	1.37	1.57	1.38	1.34	1.73	1.78	1.57	1.29	1.16	1.08	1.00	
30	0.93	1.73	1.46	1.33	1.30	1.75	1.80	1.54	1.28	1.29		1.00	
31		1.58		1.27	1.39		2.14		1.28	1.19		1.00	
MEAN	1.00	1.17	1.35	1.40	1.43	1.72	1.95	1.85	1.40	1.23	1.19	1.04	
MAX	1.11	1.73	1.85	1.82	1.65	2.10	2.83	2.58	1.55	1.29	1.38	1.10	2.83
MIN	0.93	0.92	1.14	1.26	1.24	1.47	1.70	1.54	1.28	1.16	1.08	1.00	0.92

ANNUAL MAX MOMENTARY GAGE HEIGHT 3.16 M (A.D), AT 6.00 HOURS, ON OCT 20, 1983
ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D), RIVER BED 0.99 M (A.D)
LEFT BANK ELEVATION 3.91 M (A.D)
RIGHT BANK ELEVATION 3.39 M (A.D), DRAINAGE AREA 219 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.90	0.35	3.14	2.98	2.15	7.53	7.92	8.18	4.50	2.36	2.08	1.05	
2	0.90	0.30	3.30	2.66	2.08	4.40	11.72	7.66	4.30	2.36	2.01	1.00	
3	0.85	1.38	2.90	3.30	5.00	6.80	9.61	8.05	4.20	2.36	1.94	0.85	
4	0.85	0.85	2.43	2.50	4.30	5.10	8.18	6.56	4.02	2.36	1.87	0.80	
5	0.85	0.85	2.22	2.43	5.00	4.11	16.13	7.04	3.93	2.36	1.80	0.70	
6	0.85	0.85	1.94	2.22	3.57	4.02	9.87	10.28	3.84	2.36	1.68	0.70	
7	0.80	0.80	1.87	2.36	3.57	5.90	7.79	7.16	3.66	2.36	1.68	0.85	
8	0.80	0.80	1.94	2.43	5.20	9.61	6.92	14.28	3.48	2.36	3.14	0.85	
9	0.75	0.75	2.90	2.43	3.75	8.18	6.20	7.92	3.30	2.36	2.36	0.90	
10	0.75	0.75	2.01	6.32	3.14	7.66	6.20	7.53	3.22	2.36	2.15	0.90	
11	0.75	1.32	1.44	7.66	2.90	5.60	6.80	7.16	3.14	2.29	2.08	0.90	
12	0.70	1.20	2.29	4.70	3.30	4.60	6.80	9.22	3.14	2.22	2.50	1.00	
13	0.70	1.20	3.39	3.48	3.14	3.93	13.80	7.16	3.30	2.08	2.15	1.00	
14	0.70	2.29	2.36	3.30	4.02	5.00	8.70	9.48	3.75	2.01	2.01	1.05	
15	1.26	1.44	1.94	3.22	4.02	4.11	7.92	9.22	4.70	1.94	1.87	1.05	
16	1.05	2.43	1.94	5.00	5.60	4.60	8.31	10.42	4.20	1.94	1.80	1.00	
17	0.85	1.38	2.43	4.20	5.70	10.84	6.68	8.31	4.02	1.87	1.68	1.20	
18	0.80	1.20	3.06	5.20	5.20	5.60	11.12	6.92	3.30	1.87	1.62	1.20	
19	0.70	1.10	2.29	4.50	4.50	8.96	10.56	19.72	3.22	1.80	1.62	1.10	
20	0.60	0.95	2.01	3.66	3.93	5.60	25.22	12.84	3.06	1.80	1.50	1.00	
21	0.55	0.90	2.82	3.39	3.84	4.90	15.28	9.09	2.98	1.74	1.44	0.95	
22	0.55	1.44	2.22	3.14	3.66	6.10	11.72	7.66	2.90	1.74	1.38	0.95	
23	0.50	1.10	4.02	2.90	3.30	7.28	9.48	7.16	2.98	1.68	1.38	0.90	
24	0.50	1.05	4.60	2.66	3.14	9.61	8.18	6.68	2.74	1.68	1.32	0.85	
25	0.45	5.30	3.48	2.58	2.90	11.40	7.66	6.10	2.58	1.68	1.32	0.80	
26	0.45	2.08	3.14	2.43	2.82	8.18	9.61	5.70	2.50	1.62	1.26	0.80	
27	0.40	2.22	3.84	2.74	2.74	8.05	7.53	5.30	2.50	1.62	1.20	0.75	
28	0.40	4.70	8.05	2.98	2.66	7.16	7.16	5.20	2.43	1.56	1.15	0.75	
29	0.35	3.06	4.90	3.14	2.82	6.56	7.16	4.90	2.43	1.56	1.10	0.70	
30	0.35	6.56	3.84	2.74	2.50	6.80	7.40	4.60	2.36	2.43		0.70	
31		5.00		2.29	3.22		12.04		2.36	1.74		0.70	
TOTAL	20.91	55.60	88.71	105.54	113.67	198.19	299.67	247.50	103.04	62.47	51.09	27.95	1374.34 CMSDAY
MEAN	0.70	1.79	2.96	3.40	3.67	6.61	9.67	8.25	3.32	2.02	1.76	0.90	3.76 CMS
MAX	1.26	6.56	8.05	7.66	5.70	11.40	25.22	19.72	4.70	2.43	3.14	1.20	25.22 CMS
MIN	0.35	0.30	1.44	2.22	2.08	3.93	6.20	4.60	2.36	1.56	1.10	0.70	0.30 CMS
RUNOFF	1.807	4.804	7.665	9.119	9.821	17.124	25.891	21.384	8.903	5.397	4.414	2.415	118.743 MCM

MOMENTARY PEAK 33.36 CMS, AT 3.16 M (A.D), AT 6.00 HOURS, ON OCT 20, 1983

RUNOFF YIELD 17.15 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 152.33 LITERS/SECOND/SQUARE KM

WATER YEAR 1983

SOUTHERN PENINSULA EAST COAST

KHLONG TAN AT WIANG SA, SURAT THANI (X.99)

LOCATION — LAT. 8°-38'-07" N., LONG. 99°-22'-59" E., ON RIGHT BANK UPSTREAM SIDE OF THE BRIDGE ON HIGHWAY NEAR BAN WIANG SA SCHOOL, AMPHOE WIANG SA, SURAT THANI.

DRAINAGE AREA — 62 SQ.KM.

TYPE OF GAGE — STAFF GAGE.

ZERO GAGE AT BOTTOM — +0.00 M. (A.D.)

BENCH MARK — B.M.-H.D.

LOCATION — ON RIGHT BANK NEAR THE GAGE SITE.

ELEVATION — +4.783 M.(A.D.)

GAGE READING FREQUENCY — 13-TIME DAILY READINGS AT 06.00-18.00 HOURS.

BASIS OF MEAN DAILY GAGE HEIGHT — ARITHMETIC MEAN OF 13 READINGS.

PERIOD OF AVAILABLE GAGE RECORDS — 1975 TO DATE.

RATING OPERATION

PERIOD OF RATING — 1975 TO DATE.

RATED BY FLOAT — -

RATED BY CURRENT METER — 1975 TO DATE.

STABILITY OF CHANNEL REGIMES — STABLE.

OVERBANK FLOW CONDITIONS — NO OVERBANK FLOW.

GENERAL DESCRIPTION — RECORDS GOOD. STAGE-DISCHARGE RELATION DEFINED BY 101 DISCHARGE MEASUREMENTS MADE IN 1983.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

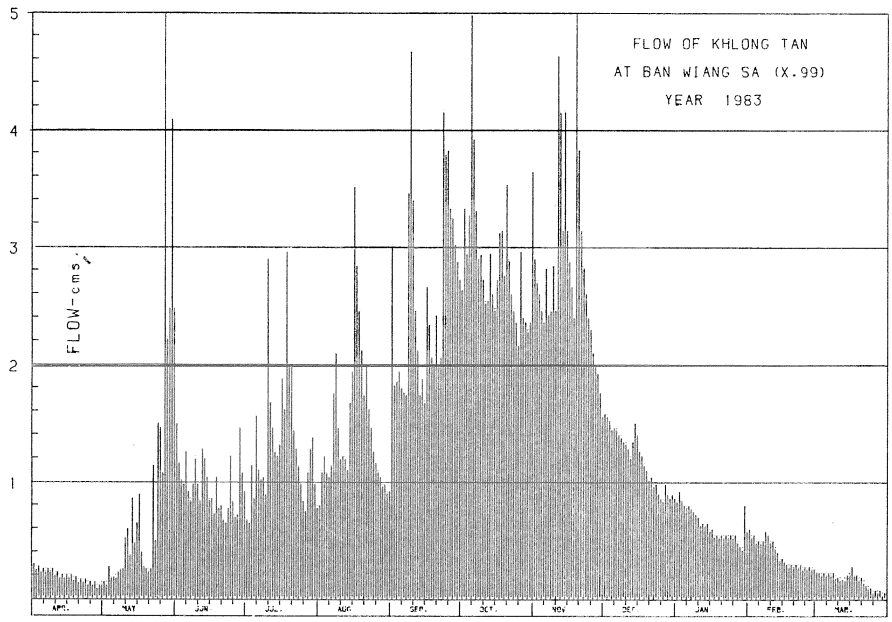
DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.30	0.23	0.52	0.38	0.40	0.77	0.71	0.75	0.53	0.41	0.36	0.28	
2	0.29	0.23	0.46	0.37	0.45	0.57	0.82	0.72	0.53	0.42	0.35	0.27	
3	0.29	0.29	0.44	0.46	0.47	0.58	0.76	0.70	0.52	0.41	0.35	0.27	
4	0.28	0.26	0.43	0.41	0.45	0.59	0.81	0.68	0.51	0.40	0.34	0.27	
5	0.28	0.25	0.48	0.53	0.44	0.57	1.09	0.66	0.51	0.40	0.34	0.27	
6	0.28	0.26	0.42	0.45	0.46	0.56	0.91	0.74	0.51	0.40	0.34	0.27	
7	0.28	0.27	0.41	0.44	0.56	0.56	0.82	0.67	0.50	0.40	0.34	0.27	
8	0.28	0.29	0.43	0.44	0.62	0.84	0.75	0.68	0.50	0.39	0.36	0.27	
9	0.28	0.28	0.47	0.42	0.51	1.03	0.76	0.74	0.49	0.39	0.35	0.26	
10	0.27	0.35	0.43	0.75	0.47	0.83	0.72	0.68	0.49	0.38	0.34	0.25	
11	0.27	0.36	0.41	0.55	0.47	0.68	0.69	1.02	0.48	0.37	0.34	0.25	
12	0.26	0.32	0.48	0.51	0.47	0.62	0.69	0.95	0.47	0.37	0.33	0.24	
13	0.26	0.41	0.47	0.48	0.45	0.56	0.76	0.79	0.49	0.37	0.32	0.25	
14	0.26	0.34	0.44	0.47	0.55	0.58	0.70	0.95	0.52	0.37	0.31	0.26	
15	0.26	0.37	0.41	0.49	0.59	0.55	0.68	0.79	0.50	0.36	0.31	0.27	
16	0.26	0.42	0.41	0.58	0.85	0.71	0.72	0.75	0.48	0.36	0.31	0.29	
17	0.26	0.32	0.39	0.54	0.74	0.66	0.79	0.71	0.47	0.35	0.30	0.27	
18	0.25	0.30	0.44	0.76	0.68	0.61	0.79	0.67	0.46	0.35	0.30	0.26	
19	0.25	0.28	0.40	0.60	0.62	0.60	0.73	1.11	0.45	0.35	0.30	0.25	
20	0.24	0.28	0.40	0.60	0.56	0.67	0.85	0.90	0.44	0.35	0.30	0.25	
21	0.24	0.28	0.38	0.51	0.60	0.60	0.75	0.79	0.44	0.35	0.30	0.24	
22	0.24	0.46	0.37	0.48	0.54	0.61	0.70	0.74	0.43	0.35	0.30	0.22	
23	0.24	0.34	0.40	0.46	0.51	0.95	0.68	0.70	0.43	0.35	0.30	0.22	
24	0.23	0.52	0.47	0.43	0.48	0.89	0.66	0.67	0.42	0.35	0.29	0.21	
25	0.23	0.51	0.41	0.41	0.46	0.90	0.63	0.65	0.41	0.35	0.29	0.20	
26	0.23	0.45	0.38	0.39	0.45	0.82	0.76	0.62	0.41	0.35	0.29	0.20	
27	0.23	1.10	0.39	0.45	0.44	0.81	0.67	0.60	0.43	0.34	0.29	0.20	
28	0.22	0.64	0.51	0.48	0.43	0.77	0.66	0.59	0.42	0.33	0.29	0.20	
29	0.22	0.68	0.45	0.50	0.43	0.75	0.65	0.56	0.41	0.33	0.28	0.19	
30	0.23	0.94	0.42	0.43	0.42	0.72	0.66	0.53	0.42	0.40		0.19	
31		0.68		0.40	0.42		0.87		0.41	0.36		0.19	
MEAN	0.26	0.41	0.43	0.49	0.52	0.70	0.75	0.74	0.47	0.37	0.32	0.24	
MAX	0.30	1.10	0.52	0.76	0.85	1.03	1.09	1.11	0.53	0.42	0.36	0.29	1.11
MIN	0.22	0.23	0.37	0.37	0.40	0.55	0.63	0.53	0.41	0.33	0.28	0.19	0.19

ANNUAL MAX MOMENTARY GAGE HEIGHT — 2.60 M (A.D), AT 18.00 HOURS, ON NOV 11, 1983

ZERO GAGE AT BOTTOM ELEVATION — 0.00 M (A.D), RIVER BED — -0.10 M (A.D)

LEFT BANK ELEVATION — 6.54 M (A.D)

RIGHT BANK ELEVATION — 6.55 M (A.D), DRAINAGE AREA — 62 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.30	0.15	1.52	0.70	0.80	3.02	2.66	2.90	1.58	0.86	0.60	0.26	
2	0.28	0.15	1.16	0.65	1.10	1.82	3.33	2.72	1.58	0.92	0.55	0.23	
3	0.28	0.28	1.04	1.16	1.22	1.88	2.96	2.60	1.52	0.86	0.55	0.23	
4	0.26	0.21	0.98	0.86	1.10	1.94	3.27	2.48	1.46	0.80	0.50	0.23	
5	0.26	0.19	1.28	1.58	1.04	1.82	5.09	2.36	1.46	0.80	0.50	0.23	
6	0.26	0.21	0.92	1.10	1.16	1.76	3.92	2.84	1.46	0.80	0.50	0.23	
7	0.26	0.23	0.86	1.04	1.76	1.76	3.33	2.42	1.40	0.80	0.50	0.23	
8	0.26	0.28	0.98	1.04	2.12	3.46	2.90	2.48	1.40	0.75	0.60	0.23	
9	0.26	0.26	1.22	0.92	1.46	4.69	2.96	2.84	1.34	0.75	0.55	0.21	
10	0.23	0.55	0.98	2.90	1.22	3.40	2.72	2.48	1.34	0.70	0.50	0.19	
11	0.23	0.60	0.86	1.70	1.22	2.48	2.54	4.63	1.28	0.65	0.50	0.19	
12	0.21	0.40	1.28	1.46	1.22	2.12	2.54	4.17	1.22	0.65	0.45	0.17	
13	0.21	0.86	1.22	1.28	1.10	1.76	2.96	3.14	1.34	0.65	0.40	0.19	
14	0.21	0.50	1.04	1.22	1.70	1.88	2.60	4.17	1.52	0.65	0.35	0.21	
15	0.21	0.65	0.86	1.34	1.94	1.70	2.48	3.14	1.40	0.60	0.35	0.23	
16	0.21	0.92	0.86	1.88	3.53	2.66	2.72	2.90	1.28	0.60	0.35	0.28	
17	0.21	0.40	0.75	1.64	2.84	2.36	3.14	2.66	1.22	0.55	0.30	0.23	
18	0.19	0.30	1.04	2.96	2.48	2.06	3.14	2.42	1.16	0.55	0.30	0.21	
19	0.19	0.26	0.80	2.00	2.12	2.00	2.78	5.22	1.10	0.55	0.30	0.19	
20	0.17	0.26	0.80	2.00	1.76	2.42	3.53	3.85	1.04	0.55	0.30	0.19	
21	0.17	0.26	0.70	1.46	2.00	2.00	2.90	3.14	1.04	0.55	0.30	0.17	
22	0.17	1.16	0.65	1.28	1.64	2.06	2.60	2.84	0.98	0.55	0.30	0.12	
23	0.17	0.50	0.80	1.16	1.46	4.17	2.48	2.60	0.98	0.55	0.30	0.12	
24	0.15	1.52	1.22	0.98	1.28	3.79	2.36	2.42	0.92	0.55	0.28	0.10	
25	0.15	1.46	0.86	0.86	1.16	3.85	2.18	2.30	0.86	0.55	0.28	0.08	
26	0.15	1.10	0.70	0.75	1.10	3.33	2.96	2.12	0.86	0.55	0.28	0.08	
27	0.15	5.15	0.75	1.10	1.04	3.27	2.42	2.00	0.98	0.50	0.28	0.08	
28	0.12	2.24	1.46	1.28	0.98	3.02	2.36	1.94	0.92	0.45	0.28	0.08	
29	0.12	2.48	1.10	1.40	0.98	2.90	2.30	1.76	0.86	0.45	0.26	0.06	
30	0.15	4.11	0.92	0.98	0.92	2.72	2.36	1.58	0.92	0.80		0.06	
31		2.48		0.80	0.92		3.66		0.86	0.60		0.06	
TOTAL	6.19	30.12	29.61	41.48	46.37	78.10	90.15	85.12	37.28	20.14	11.51	5.37	481.44 CMSDAY
MEAN	0.21	0.97	0.99	1.34	1.50	2.60	2.91	2.84	1.20	0.65	0.40	0.17	1.32 CMS
MAX	0.30	5.15	1.52	2.96	3.53	4.69	5.09	5.22	1.58	0.92	0.60	0.28	5.22 CMS
MIN	0.12	0.15	0.65	0.65	0.80	1.70	2.18	1.58	0.86	0.45	0.26	0.06	0.06 CMS
RUNOFF	0.535	2.602	2.558	3.584	4.006	6.748	7.789	7.354	3.221	1.740	0.994	0.464	41.596 MCM

MOMENTARY PEAK 16.40 CMS, AT 2.60 M (A.D), AT 18.00 HOURS, ON NOV 11, 1983
RUNOFF YIELD 21.22 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 264.52 LITERS/SECOND/SQUARE KM

WATER YEAR 1983

SOUTHERN PENINSULA EAST COAST

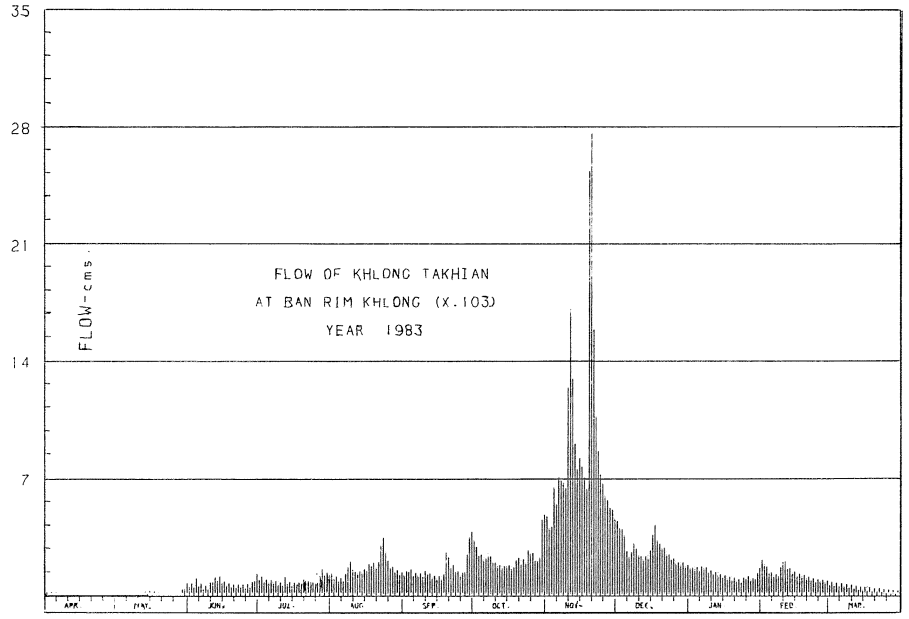
KHLONG TAKHIAN AT BAN RIM KHLONG, SURAT THANI (X.103)

LOCATION	LAT. 9°-25'-31" N., LONG. 99°-09'-44" E., ON RIGHT BANK AT BAN RIM KHLONG, AMPHOE CHAIYA, SURAT THANI.
DRAINAGE AREA	180 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM	+0.00 M. (A.D.)
BENCH MARK	B.M.-H.D.
LOCATION	ON LEFT BANK ABOUT 15 METERS SOUTH FROM THE OBSERVER'S HOUSE.
ELEVATION	+6.915 M. (A.D.)
GAGE READING FREQUENCY	13-TIME DAILY READINGS AT 06.00-18.00 HOURS.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 13 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1978 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1978 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1978 TO DATE.
STABILITY OF CHANNEL REGIMES	FAIRLY STABLE.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS GOOD. STAGE-DISCHARGE RELATION DEFINED BY 173 DISCHARGE MEASUREMENTS MADE IN 1983.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	-0.04	-0.09	0.15	0.30	0.36	0.36	0.81	0.99	0.95	0.47	0.56	0.19	
2	-0.04	-0.09	0.15	0.29	0.31	0.39	0.72	0.91	0.91	0.44	0.53	0.18	
3	-0.04	-0.09	0.14	0.25	0.29	0.44	0.66	0.90	0.88	0.45	0.46	0.17	
4	-0.04	-0.09	0.25	0.23	0.27	0.42	0.63	1.21	0.85	0.45	0.41	0.16	
5	-0.05	-0.08	0.17	0.23	0.26	0.37	0.60	1.08	0.67	0.44	0.37	0.16	
6	-0.06	-0.09	0.15	0.22	0.27	0.36	0.58	1.26	0.63	0.46	0.35	0.15	
7	-0.06	-0.08	0.11	0.22	0.34	0.35	0.65	1.24	0.66	0.47	0.33	0.14	
8	-0.06	-0.07	0.11	0.20	0.51	0.35	0.61	1.24	0.78	0.45	0.36	0.13	
9	-0.06	-0.08	0.11	0.19	0.54	0.35	0.57	1.19	0.70	0.42	0.45	0.13	
10	-0.06	-0.07	0.17	0.17	0.47	0.40	0.52	1.75	0.65	0.40	0.58	0.12	
11	-0.06	-0.08	0.25	0.18	0.38	0.40	0.50	2.07	0.61	0.39	0.54	0.11	
12	-0.06	-0.08	0.27	0.28	0.40	0.35	0.48	1.79	0.60	0.37	0.48	0.10	
13	-0.06	-0.01	0.27	0.21	0.39	0.32	0.47	1.46	0.61	0.35	0.44	0.09	
14	-0.06	0.02	0.29	0.18	0.41	0.30	0.47	1.33	0.62	0.33	0.41	0.08	
15	-0.06	0.01	0.23	0.17	0.42	0.29	0.50	1.38	0.68	0.32	0.38	0.08	
16	-0.06	0.00	0.19	0.17	0.45	0.29	0.48	1.35	0.86	0.31	0.36	0.08	
17	-0.06	-0.01	0.17	0.16	0.50	0.29	0.46	1.26	0.92	0.29	0.34	0.07	
18	-0.07	-0.02	0.15	0.17	0.52	0.33	0.45	1.20	0.81	0.28	0.33	0.07	
19	-0.07	-0.04	0.15	0.19	0.52	0.70	0.59	2.52	0.75	0.27	0.31	0.06	
20	-0.07	-0.05	0.13	0.24	0.49	0.60	0.59	2.64	0.73	0.26	0.29	0.05	
21	-0.07	-0.06	0.13	0.23	0.53	0.49	0.55	1.99	0.71	0.25	0.28	0.05	
22	-0.07	-0.06	0.13	0.20	0.76	0.49	0.57	1.61	0.66	0.23	0.27	0.05	
23	-0.07	-0.06	0.14	0.18	0.81	0.44	0.56	1.42	0.63	0.23	0.25	0.05	
24	-0.07	-0.07	0.13	0.17	0.70	0.39	0.68	1.30	0.61	0.26	0.24	0.03	
25	-0.10	-0.07	0.13	0.15	0.55	0.36	0.67	1.22	0.58	0.30	0.23	0.03	
26	-0.09	-0.07	0.14	0.16	0.49	0.36	0.65	1.16	0.54	0.29	0.23	0.02	
27	-0.08	-0.05	0.14	0.37	0.46	0.43	0.60	1.11	0.52	0.27	0.22	0.02	
28	-0.08	-0.04	0.18	0.42	0.43	0.63	0.54	1.08	0.52	0.25	0.21	0.01	
29	-0.09	0.03	0.27	0.39	0.41	0.83	0.63	1.04	0.52	0.30	0.20	0.01	
30	-0.09	0.12	0.34	0.37	0.39	0.86	0.96	0.99	0.50	0.35		0.00	
31		0.16		0.39	0.37		1.03		0.48	0.49		0.00	
MEAN	-0.07	-0.04	0.18	0.23	0.45	0.43	0.61	1.39	0.68	0.35	0.36	0.08	
MAX	-0.04	0.16	0.34	0.42	0.81	0.86	1.03	2.64	0.95	0.49	0.58	0.19	2.64
MIN	-0.10	-0.09	0.11	0.15	0.26	0.29	0.45	0.90	0.48	0.23	0.20	0.00	-0.10

ANNUAL MAX MOMENTARY GAGE HEIGHT 2.88 M (A.D), AT 18.00 HOURS, ON NOV 19, 1983
ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D), RIVER BED -0.57 M (A.D)
LEFT BANK ELEVATION 8.92 M (A.D)
RIGHT BANK ELEVATION 8.87 M (A.D), DRAINAGE AREA 180 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.22	0.12	0.75	1.20	1.38	1.38	3.47	4.73	4.45	1.78	2.14	0.87	
2	0.22	0.12	0.75	1.17	1.23	1.47	2.92	4.17	4.17	1.66	2.02	0.84	
3	0.22	0.12	0.72	1.05	1.17	1.66	2.60	4.10	3.96	1.70	1.74	0.81	
4	0.22	0.12	1.05	0.99	1.11	1.58	2.45	6.59	3.75	1.70	1.54	0.78	
5	0.20	0.14	0.81	0.99	1.08	1.41	2.30	5.44	2.65	1.66	1.41	0.78	
6	0.18	0.12	0.75	0.96	1.11	1.38	2.22	7.04	2.45	1.74	1.35	0.75	
7	0.18	0.14	0.63	0.96	1.32	1.35	2.55	6.86	2.60	1.78	1.29	0.72	
8	0.18	0.16	0.63	0.90	1.94	1.35	2.35	6.86	3.28	1.70	1.38	0.69	
9	0.18	0.14	0.63	0.87	2.06	1.35	2.18	6.41	2.80	1.58	1.70	0.69	
10	0.18	0.16	0.81	0.81	1.78	1.50	1.98	12.55	2.55	1.50	2.22	0.66	
11	0.18	0.14	1.05	0.84	1.44	1.50	1.90	17.12	2.35	1.47	2.06	0.63	
12	0.18	0.14	1.11	1.14	1.50	1.35	1.82	13.07	2.30	1.41	1.82	0.60	
13	0.18	0.28	1.11	0.93	1.47	1.26	1.78	9.06	2.35	1.35	1.66	0.57	
14	0.18	0.36	1.17	0.84	1.54	1.20	1.78	7.70	2.40	1.29	1.54	0.54	
15	0.18	0.33	0.99	0.81	1.58	1.17	1.90	8.20	2.70	1.26	1.44	0.54	
16	0.18	0.30	0.87	0.81	1.70	1.17	1.82	7.90	3.82	1.23	1.38	0.54	
17	0.18	0.28	0.81	0.78	1.90	1.17	1.74	7.04	4.24	1.17	1.32	0.51	
18	0.16	0.26	0.75	0.81	1.98	1.29	1.70	6.50	3.47	1.14	1.29	0.51	
19	0.16	0.22	0.75	0.87	1.98	2.80	2.26	25.33	3.10	1.11	1.23	0.48	
20	0.16	0.20	0.69	1.02	1.86	2.30	2.26	27.74	2.98	1.08	1.17	0.45	
21	0.16	0.18	0.69	0.99	2.02	1.86	2.10	15.86	2.86	1.05	1.14	0.45	
22	0.16	0.18	0.69	0.90	3.16	1.86	2.18	10.82	2.60	0.99	1.11	0.45	
23	0.16	0.18	0.72	0.84	3.47	1.66	2.14	8.62	2.45	0.99	1.05	0.45	
24	0.16	0.16	0.69	0.81	2.80	1.47	2.70	7.40	2.35	1.08	1.02	0.39	
25	0.10	0.16	0.69	0.75	2.10	1.38	2.65	6.68	2.22	1.20	0.99	0.39	
26	0.12	0.16	0.72	0.78	1.86	1.38	2.55	6.14	2.06	1.17	0.99	0.36	
27	0.14	0.20	0.72	1.41	1.74	1.62	2.30	5.69	1.98	1.11	0.96	0.36	
28	0.14	0.22	0.84	1.58	1.62	2.45	2.06	5.44	1.98	1.05	0.93	0.33	
29	0.12	0.39	1.11	1.47	1.54	3.61	2.45	5.12	1.98	1.20	0.90	0.33	
30	0.12	0.66	1.32	1.41	1.47	3.82	4.52	4.73	1.90	1.35		0.30	
31		0.78		1.47	1.41		5.04		1.82	1.86		0.30	
TOTAL	5.10	7.12	25.02	31.16	54.32	50.75	74.67	270.91	86.57	42.36	40.79	17.07	705.84 CMSDAY
MEAN	0.17	0.23	0.83	1.01	1.75	1.69	2.41	9.03	2.79	1.37	1.41	0.55	1.93 CMS
MAX	0.22	0.78	1.32	1.58	3.47	3.82	5.04	27.74	4.45	1.86	2.22	0.87	27.74 CMS
MIN	0.10	0.12	0.63	0.75	1.08	1.17	1.70	4.10	1.82	0.99	0.90	0.30	0.10 CMS
RUNOFF	0.441	0.615	2.162	2.692	4.693	4.385	6.451	23.407	7.480	3.660	3.524	1.475	60.985 MCM

MOMENTARY PEAK 35.84 CMS, AT 2.88 M (A.D), AT 18.00 HOURS, ON NOV 19, 1983

RUNOFF YIELD 10.71 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 199.11 LITERS/SECOND/SQUARE KM

WATER YEAR 1983

SOUTHERN PENINSULA EAST COAST

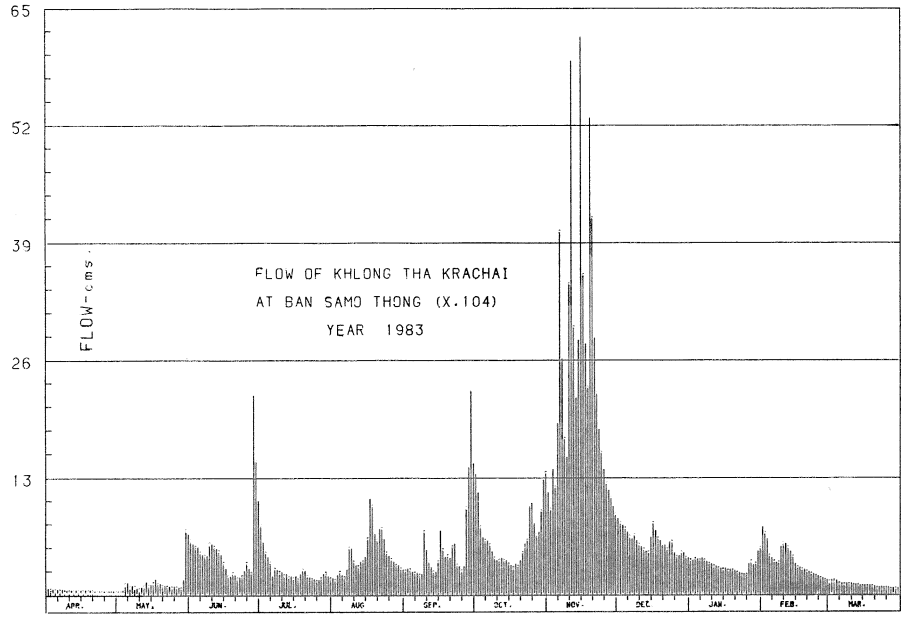
KHLONG THA KRACHAI AT BAN SAMO THONG, SURAT THANI (X.104)

LOCATION	LAT. 9°-34'-47" N., LONG. 99°-08'-14" E., ON LEFT BANK AT BAN SAMO THONG, AMPHOE THA CHANA, SURAT THANI.
DRAINAGE AREA	354 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM	+0.00 M. (A.D.)
BENCH MARK	B.M.-H.D.
LOCATION	ON LEFT BANK ABOUT 21 METERS FROM THE TOP OF STAFF GAGE.
ELEVATION	+8.574 M. (A.D.)
GAGE READING FREQUENCY	5-TIME DAILY READINGS AT 06.00, 09.00, 12.00, 15.00 AND 18.00 HOURS.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 5 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1978 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1978 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1978 TO DATE.
STABILITY OF CHANNEL REGIMES	STABLE.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS POOR. STAGE-DISCHARGE RELATION DEFINED BY 67 DISCHARGE MEASUREMENTS MADE IN 1983.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.58	0.55	1.00	1.09	0.69	0.77	1.36	1.26	1.12	0.86	1.07	0.66	
2	0.58	0.55	0.97	0.98	0.68	0.78	1.26	1.18	1.10	0.85	1.04	0.67	
3	0.57	0.56	0.96	0.92	0.72	0.78	1.08	1.37	1.08	0.87	1.00	0.67	
4	0.57	0.64	0.95	0.88	0.76	0.75	1.01	1.29	1.07	0.86	0.90	0.66	
5	0.57	0.64	0.92	0.84	0.72	0.75	1.00	1.60	1.04	0.86	0.87	0.64	
6	0.57	0.61	0.90	0.71	0.71	0.74	0.99	2.23	1.02	0.87	0.85	0.63	
7	0.57	0.61	0.90	0.79	0.77	0.73	0.97	1.82	1.00	0.86	0.83	0.63	
8	0.56	0.61	0.89	0.77	0.95	0.73	0.92	1.53	1.03	0.84	0.84	0.63	
9	0.56	0.58	0.98	0.76	0.94	1.05	0.88	1.43	0.99	0.83	0.95	0.63	
10	0.56	0.58	0.97	0.75	0.85	0.93	0.85	2.07	0.97	0.82	0.98	0.63	
11	0.56	0.59	0.96	0.73	0.81	0.85	0.86	2.67	0.95	0.81	0.97	0.62	
12	0.56	0.61	0.94	0.73	0.81	0.79	0.87	1.93	0.94	0.80	0.95	0.62	
13	0.56	0.65	0.93	0.71	0.84	0.76	0.86	1.68	0.92	0.79	0.92	0.62	
14	0.56	0.62	0.90	0.71	0.85	0.75	0.85	1.89	0.92	0.78	0.89	0.61	
15	0.56	0.62	0.84	0.70	0.88	0.85	0.83	2.73	1.01	0.78	0.82	0.61	
16	0.56	0.65	0.78	0.71	1.01	1.05	0.81	2.10	1.10	0.78	0.80	0.61	
17	0.56	0.68	0.72	0.69	1.23	0.94	0.80	1.87	1.05	0.77	0.79	0.61	
18	0.56	0.64	0.71	0.73	1.20	0.88	0.82	1.72	1.01	0.77	0.78	0.61	
19	0.56	0.63	0.75	0.78	1.03	0.90	0.81	2.53	0.99	0.77	0.77	0.61	
20	0.56	0.62	0.72	0.76	1.00	0.87	0.85	2.27	0.97	0.76	0.76	0.60	
21	0.55	0.61	0.70	0.72	1.06	0.96	0.92	1.89	0.96	0.75	0.75	0.59	
22	0.55	0.61	0.70	0.70	1.07	0.97	0.97	1.70	0.94	0.74	0.74	0.59	
23	0.55	0.60	0.72	0.69	1.00	0.82	1.00	1.57	0.98	0.73	0.73	0.59	
24	0.55	0.60	0.76	0.68	0.92	0.80	1.19	1.46	0.99	0.73	0.72	0.59	
25	0.55	0.60	0.84	0.67	0.89	0.77	1.22	1.37	0.91	0.73	0.71	0.59	
26	0.55	0.60	0.78	0.67	0.87	0.80	1.09	1.31	0.89	0.82	0.70	0.59	
27	0.55	0.59	0.75	0.70	0.84	1.19	1.03	1.27	0.89	0.85	0.69	0.58	
28	0.55	0.59	1.69	0.73	0.82	1.38	1.04	1.24	0.92	0.81	0.68	0.58	
29	0.55	0.67	1.42	0.75	0.81	1.71	1.17	1.19	0.91	0.83	0.67	0.58	
30	0.55	1.06	1.22	0.71	0.79	1.40	1.32	1.15	0.88	0.92		0.58	
31		1.03		0.70	0.77		1.36		0.87	0.95		0.58	
MEAN	0.56	0.64	0.91	0.76	0.88	0.91	1.00	1.71	0.98	0.81	0.83	0.61	
MAX	0.58	1.06	1.69	1.09	1.23	1.71	1.36	2.73	1.12	0.95	1.07	0.67	2.73
MIN	0.55	0.55	0.70	0.67	0.68	0.73	0.80	1.15	0.87	0.73	0.67	0.58	0.55

ANNUAL MAX MOMENTARY GAGE HEIGHT 3.27 M (A.D), AT 18.00 HOURS, ON NOV 19, 1983
ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D), RIVER BED 0.00 M (A.D)
LEFT BANK ELEVATION 11.10 M (A.D)
RIGHT BANK ELEVATION 10.90 M (A.D), DRAINAGE AREA 354 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.80	0.50	6.20	7.91	1.90	2.84	13.68	11.38	8.48	3.98	7.53	1.60	
2	0.80	0.50	5.69	5.86	1.80	2.96	11.38	9.62	8.10	3.85	6.96	1.70	
3	0.70	0.60	5.52	4.84	2.24	2.96	7.72	13.91	7.72	4.11	6.20	1.70	
4	0.70	1.40	5.35	4.24	2.72	2.60	6.39	12.07	7.53	3.98	4.50	1.60	
5	0.70	1.40	4.84	3.72	2.24	2.60	6.20	19.00	6.96	3.98	4.11	1.40	
6	0.70	1.10	4.50	2.12	2.12	2.48	6.03	40.41	6.58	4.11	3.85	1.30	
7	0.70	1.10	4.50	3.08	2.84	2.36	5.69	26.16	6.20	3.98	3.59	1.30	
8	0.60	1.10	4.37	2.84	5.35	2.36	4.84	17.46	6.77	3.72	3.72	1.30	
9	0.60	0.80	5.86	2.72	5.18	7.15	4.24	15.26	6.03	3.59	5.35	1.30	
10	0.60	0.80	5.69	2.60	3.85	5.01	3.85	34.58	5.69	3.46	5.86	1.30	
11	0.60	0.90	5.52	2.36	3.33	3.85	3.98	59.15	5.35	3.33	5.69	1.20	
12	0.60	1.10	5.18	2.36	3.33	3.08	4.11	29.82	5.18	3.20	5.35	1.20	
13	0.60	1.50	5.01	2.12	3.72	2.72	3.98	21.80	4.84	3.08	4.84	1.20	
14	0.60	1.20	4.50	2.12	3.85	2.60	3.85	28.47	4.84	2.96	4.37	1.10	
15	0.60	1.20	3.72	2.00	4.24	3.85	3.59	61.85	6.39	2.96	3.46	1.10	
16	0.60	1.50	2.96	2.12	6.39	7.15	3.33	35.60	8.10	2.96	3.20	1.10	
17	0.60	1.80	2.24	1.90	10.69	5.18	3.20	27.81	7.15	2.84	3.08	1.10	
18	0.60	1.40	2.12	2.36	10.00	4.24	3.46	23.10	6.39	2.84	2.96	1.10	
19	0.60	1.30	2.60	2.96	6.77	4.50	3.33	52.85	6.03	2.84	2.84	1.10	
20	0.60	1.20	2.24	2.72	6.20	4.11	3.85	41.89	5.69	2.72	2.72	1.00	
21	0.50	1.10	2.00	2.24	7.34	5.52	4.84	28.47	5.52	2.60	2.60	0.90	
22	0.50	1.10	2.00	2.00	7.53	5.69	5.69	22.50	5.18	2.48	2.48	0.90	
23	0.50	1.00	2.24	1.90	6.20	3.46	6.20	18.34	5.86	2.36	2.36	0.90	
24	0.50	1.00	2.72	1.80	4.84	3.20	9.81	15.92	6.03	2.36	2.24	0.90	
25	0.50	1.00	3.72	1.70	4.37	2.84	10.46	13.91	4.67	2.36	2.12	0.90	
26	0.50	1.00	2.96	1.70	4.11	3.20	7.91	12.53	4.37	3.46	2.00	0.90	
27	0.50	0.90	2.60	2.00	3.72	9.81	6.77	11.61	4.37	3.85	1.90	0.80	
28	0.50	0.90	22.15	2.36	3.46	14.14	6.96	10.92	4.84	3.33	1.80	0.80	
29	0.50	1.70	15.04	2.60	3.33	22.80	9.43	9.81	4.67	3.59	1.70	0.80	
30	0.50	7.34	10.46	2.12	3.08	14.60	12.76	9.05	4.24	4.84		0.80	
31		6.77		2.00	2.84		13.68		4.11	5.35		0.80	
TOTAL	17.90	46.21	154.50	85.37	139.58	159.86	201.21	735.25	183.88	105.07	109.38	35.10	1973.31 CMSDAY
MEAN	0.60	1.49	5.15	2.75	4.50	5.33	6.49	24.51	5.93	3.39	3.77	1.13	5.39 CMS
MAX	0.80	7.34	22.15	7.91	10.69	22.80	13.68	61.85	8.48	5.35	7.53	1.70	61.85 CMS
MIN	0.50	0.50	2.00	1.70	1.80	2.36	3.20	9.05	4.11	2.36	1.70	0.80	0.50 CMS
RUNOFF	1.547	3.993	13.349	7.376	12.060	13.812	17.385	63.526	15.887	9.078	9.450	3.033	170.494 MCM

MOMENTARY PEAK 88.50 CMS, AT 3.27 M (A.D), AT 18.00 HOURS, ON NOV 19, 1983
RUNOFF YIELD 15.23 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 250.00 LITERS/SECOND/SQUARE KM

WATER YEAR 1983

SOUTHERN PENINSULA EAST COAST

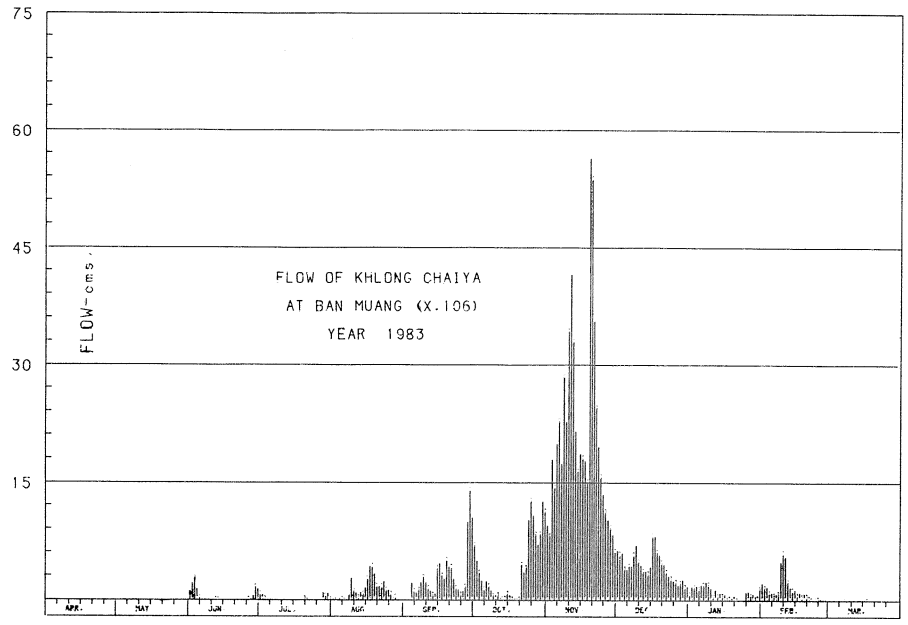
KHLONG CHAIYA AT BAN MUANG, SURAT THANI (X.106)

LOCATION	LAT. 9-23-46 N., LONG. 99-10-31 E., ON LEFT BANK AT BAN MUANG, AMPHOE CHAIYA, SURAT THANI.
DRAINAGE AREA	309 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM	+0.00 M. (A.D.)
BENCH MARK	B.M.-H.D.
LOCATION	ON LEFT BANK INFRONT OF THE GAGE OBSERVER' HOUSE.
ELEVATION	+3.177 M.(A.D.)
GAGE READING FREQUENCY	5-TIME DAILY READINGS AT 06.00, 09.00, 12.00, 15.00 AND 18.00 HOURS.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 5 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1978 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1978 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1978 TO DATE.
STABILITY OF CHANNEL REGIMES	STABLE.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS FAIR. STAGE-DISCHARGE RELATION DEFINED BY 48 DISCHARGE MEASUREMENT MADE IN 1983.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.00	0.00	0.41	0.38	0.17	0.03	1.07	1.25	0.98	0.36	0.55	0.05	
2	0.00	0.00	0.55	0.31	0.15	0.03	0.86	1.17	0.97	0.48	0.51	0.06	
3	0.00	0.00	0.66	0.25	0.08	0.09	0.74	1.80	0.95	0.51	0.48	0.09	
4	0.00	0.00	0.43	0.19	0.19	0.55	0.59	1.61	0.80	0.50	0.40	0.04	
5	0.00	0.00	0.28	0.13	0.24	0.43	0.48	1.91	0.75	0.49	0.36	0.08	
6	0.00	0.00	0.18	0.08	0.14	0.35	0.58	2.08	0.83	0.52	0.35	0.10	
7	0.00	0.00	0.12	0.02	0.15	0.47	0.54	1.77	0.80	0.56	0.33	0.15	
8	0.00	0.00	0.10	0.02	0.35	0.56	0.40	2.33	0.96	0.57	0.38	0.11	
9	0.00	0.00	0.09	0.02	0.63	0.68	0.34	2.06	1.04	0.57	0.85	0.15	
10	0.00	0.00	0.09	0.01	0.44	0.56	0.30	2.56	0.88	0.45	0.98	0.14	
11	0.00	0.00	0.09	0.00	0.35	0.50	0.35	2.80	0.81	0.32	0.91	0.10	
12	0.00	0.00	0.22	0.00	0.31	0.39	0.23	2.51	0.76	0.42	0.61	0.15	
13	0.00	0.00	0.18	0.14	0.36	0.36	0.23	2.00	0.73	0.34	0.47	0.00	
14	0.00	0.00	0.13	0.05	0.38	0.33	0.27	1.73	0.73	0.35	0.46	0.00	
15	0.00	0.00	0.06	0.05	0.46	0.81	0.39	1.84	0.79	0.34	0.42	0.00	
16	0.00	0.00	0.03	0.01	0.66	0.83	0.30	1.83	1.17	0.32	0.35	0.11	
17	0.00	0.00	0.02	0.00	0.80	0.70	0.24	1.79	1.14	0.21	0.36	0.15	
18	0.00	0.00	0.02	0.06	0.83	0.62	0.20	1.65	0.99	0.28	0.32	0.05	
19	0.00	0.00	0.15	0.14	0.69	0.90	0.16	3.22	0.93	0.17	0.34	0.03	
20	0.00	0.00	0.08	0.26	0.54	0.79	0.24	3.16	0.87	0.27	0.33	0.00	
21	0.00	0.00	0.06	0.16	0.49	0.82	0.85	2.60	0.82	0.21	0.28	0.00	
22	0.00	0.00	0.02	0.09	0.53	0.62	0.71	2.16	0.75	0.16	0.21	0.00	
23	0.00	0.00	0.03	0.07	0.58	0.50	0.81	1.89	0.66	0.15	0.21	0.00	
24	0.00	0.00	0.03	0.02	0.46	0.42	1.30	1.69	0.66	0.11	0.19	0.00	
25	0.00	0.00	0.01	0.00	0.41	0.37	1.50	1.53	0.59	0.40	0.24	0.00	
26	0.00	0.00	0.23	0.00	0.38	0.39	1.34	1.40	0.61	0.38	0.11	0.00	
27	0.00	0.00	0.07	0.00	0.23	0.53	1.19	1.30	0.51	0.34	0.14	0.00	
28	0.00	0.00	0.27	0.35	0.31	1.28	1.05	1.25	0.59	0.33	0.08	0.00	
29	0.00	0.00	0.52	0.33	0.21	1.59	1.19	1.16	0.61	0.25	0.07	0.00	
30	0.00	0.00	0.43	0.34	0.17	1.32	1.47	1.00	0.52	0.30		0.00	
31		0.00		0.24	0.06		1.40		0.49	0.50		0.00	
MEAN	0.00	0.00	0.19	0.12	0.38	0.59	0.69	1.90	0.80	0.36	0.39	0.05	
MAX	0.00	0.00	0.66	0.38	0.83	1.59	1.50	3.22	1.17	0.57	0.98	0.15	3.22
MIN	0.00	0.00	0.01	0.00	0.06	0.03	0.16	1.00	0.49	0.11	0.07	0.00	0.00

ANNUAL MAX MOMENTARY GAGE HEIGHT 3.29 M (A.D), AT 18.00 HOURS, ON NOV 19, 1983
ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D), RIVER BED 0.11 M (A.D)
LEFT BANK ELEVATION 5.31 M (A.D)
RIGHT BANK ELEVATION 5.30 M (A.D), DRAINAGE AREA 309 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.00	0.00	1.26	1.08	0.24	0.03	7.27	9.50	6.28	0.96	2.15	0.05	
2	0.00	0.00	2.15	0.66	0.20	0.03	4.96	8.44	6.17	1.68	1.87	0.06	
3	0.00	0.00	3.04	0.45	0.08	0.09	3.76	17.90	5.95	1.87	1.68	0.09	
4	0.00	0.00	1.38	0.28	0.28	2.15	2.43	14.67	4.30	1.80	1.20	0.04	
5	0.00	0.00	0.54	0.16	0.42	1.38	1.68	19.88	3.85	1.74	0.96	0.08	
6	0.00	0.00	0.26	0.08	0.18	0.90	2.36	23.10	4.63	1.94	0.90	0.10	
7	0.00	0.00	0.14	0.02	0.20	1.62	2.08	17.39	4.30	2.22	0.78	0.20	
8	0.00	0.00	0.10	0.02	0.90	2.22	1.20	28.72	6.06	2.29	1.08	0.12	
9	0.00	0.00	0.09	0.02	2.77	3.22	0.84	22.70	6.94	2.29	4.85	0.20	
10	0.00	0.00	0.09	0.01	1.44	2.22	0.60	34.56	5.18	1.50	6.28	0.18	
11	0.00	0.00	0.09	0.00	0.90	1.80	0.90	41.50	4.41	0.72	5.51	0.10	
12	0.00	0.00	0.36	0.00	0.66	1.14	0.39	33.26	3.94	1.32	2.59	0.20	
13	0.00	0.00	0.26	0.18	0.96	0.96	0.39	21.50	3.67	0.84	1.62	0.00	
14	0.00	0.00	0.16	0.05	1.08	0.78	0.51	16.71	3.67	0.90	1.56	0.00	
15	0.00	0.00	0.06	0.05	1.56	4.41	1.14	18.62	4.21	0.84	1.32	0.00	
16	0.00	0.00	0.03	0.01	3.04	4.63	0.60	18.44	8.44	0.72	0.90	0.12	
17	0.00	0.00	0.02	0.00	4.30	3.40	0.42	17.73	8.08	0.33	0.96	0.20	
18	0.00	0.00	0.02	0.06	4.63	2.68	0.30	15.35	6.39	0.54	0.72	0.05	
19	0.00	0.00	0.20	0.18	3.31	5.40	0.22	56.40	5.73	0.24	0.84	0.03	
20	0.00	0.00	0.08	0.48	2.08	4.21	0.42	54.10	5.07	0.51	0.78	0.00	
21	0.00	0.00	0.06	0.22	1.74	4.52	4.85	35.60	4.52	0.33	0.54	0.00	
22	0.00	0.00	0.02	0.09	2.01	2.68	3.49	24.82	3.85	0.22	0.33	0.00	
23	0.00	0.00	0.03	0.07	2.36	1.80	4.41	19.52	3.04	0.20	0.33	0.00	
24	0.00	0.00	0.03	0.02	1.56	1.32	10.20	16.03	3.04	0.12	0.28	0.00	
25	0.00	0.00	0.01	0.00	1.26	1.02	13.00	13.45	2.43	1.20	0.42	0.00	
26	0.00	0.00	0.39	0.00	1.08	1.14	10.76	11.60	2.59	1.08	0.12	0.00	
27	0.00	0.00	0.07	0.00	0.39	2.01	8.68	10.20	1.87	0.84	0.18	0.00	
28	0.00	0.00	0.51	0.90	0.66	9.92	7.05	9.50	2.43	0.78	0.08	0.00	
29	0.00	0.00	1.94	0.78	0.33	14.35	8.68	8.32	2.59	0.45	0.07	0.00	
30	0.00	0.00	1.38	0.84	0.24	10.48	12.58	6.50	1.94	0.60		0.00	
31		0.00		0.42	0.06		11.60		1.74	1.80		0.00	
TOTAL	0.00	0.00	14.77	7.13	40.92	92.51	127.77	646.01	137.31	32.87	40.90	1.82	1142.01 CMSDAY
MEAN	0.00	0.00	0.49	0.23	1.32	3.08	4.12	21.53	4.43	1.06	1.41	0.06	3.12 CMS
MAX	0.00	0.00	3.04	1.08	4.63	14.35	13.00	56.40	8.44	2.29	6.28	0.20	56.40 CMS
MIN	0.00	0.00	0.01	0.00	0.06	0.03	0.22	6.50	1.74	0.12	0.07	0.00	0.00 CMS
RUNOFF	0.000	0.000	1.276	0.616	3.535	7.993	11.039	55.815	11.864	2.840	3.534	0.157	98.670 MCM

MOMENTARY PEAK 59.55 CMS, AT 3.29 M (A.D), AT 18.00 HOURS, ON NOV 19, 1983
RUNOFF YIELD 10.10 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 192.72 LITERS/SECOND/SQUARE KM

WATER YEAR 1983

SOUTHERN PENINSULA EAST COAST

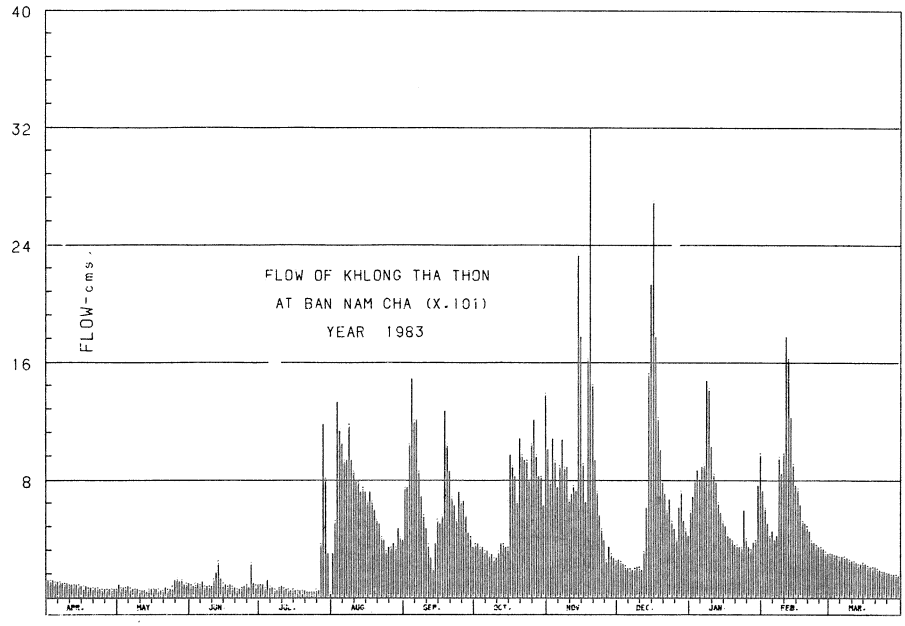
KHLONG THA THON AT BAN NAM CHA, NAKHON SI THAMMARAT (X.101)

LOCATION	LAT. 8°-52'-30" N., LONG. 99°-51'-40" E., ON RIGHT BANK AT BAN NAM CHA, AMPHOE SICHON, NAKHON SI THAMMARAT.
DRAINAGE AREA	95 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM	+7.895 M.(M.S.L.)
BENCH MARK	B.M.-H.D.
LOCATION	ON RIGHT BANK ABOUT 11 METERS NORTH FROM THE STATION OFFICE.
ELEVATION	+16.570 M.(M.S.L.)
GAGE READING FREQUENCY	13-TIME DAILY READINGS AT 06.00-18.00 HOURS.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 13 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1976 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1976 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1976 TO DATE.
STABILITY OF CHANNEL REGIMES	FAIRLY STABLE.
OVERBANK FLOW CONDITIONS	OVERBANK FLOW STARTS AT ELEVATION +8.12 M.(M.S.L.) AND IS INCLUDED.
GENERAL DESCRIPTION	RECORDS GOOD. STAGE-DISCHARGE RELATION DEFINED BY 125 DISCHARGE MEASUREMENTS MADE IN 1983.

GAGE HEIGHT IN METER (MSL), WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	8.52	8.49	8.49	8.49	9.45	9.90	9.77	9.97	8.66	8.88	8.95	8.70	
2	8.52	8.47	8.48	8.49	9.58	9.90	9.77	9.91	8.65	8.93	8.89	8.70	
3	8.52	8.47	8.50	8.47	10.07	9.98	9.76	9.99	8.63	8.99	8.83	8.69	
4	8.51	8.47	8.50	8.52	10.01	10.11	9.76	9.95	8.62	9.02	8.78	8.69	
5	8.51	8.48	8.49	8.48	9.98	10.03	9.75	9.90	8.60	9.00	8.80	8.68	
6	8.51	8.47	8.51	8.47	9.95	10.03	9.75	9.94	8.60	9.03	8.76	8.68	
7	8.50	8.46	8.48	8.46	9.95	9.93	9.74	9.11	8.59	9.04	8.78	8.68	
8	8.50	8.46	8.48	8.45	10.02	9.88	9.74	9.03	8.60	9.27	9.06	8.67	
9	8.50	8.46	8.48	8.47	9.95	9.84	9.73	9.03	8.61	9.25	9.01	8.66	
10	8.49	8.45	8.48	8.48	9.93	9.81	9.73	8.92	8.61	9.09	9.07	8.65	
11	8.49	8.45	8.53	8.47	9.91	9.77	9.75	8.94	8.59	9.01	9.39	8.65	
12	8.49	8.45	8.57	8.46	9.91	9.73	9.77	8.97	8.71	8.98	9.33	8.64	
13	8.49	8.44	8.65	8.46	9.89	9.70	9.77	8.95	8.89	8.91	9.17	8.63	
14	8.49	8.46	8.53	8.45	9.90	9.77	9.76	9.58	9.29	8.87	9.04	8.63	
15	8.48	8.46	8.50	8.46	9.89	9.83	9.76	9.39	9.51	8.84	8.97	8.64	
16	8.48	8.46	8.49	8.45	9.87	9.82	9.96	9.04	9.70	8.82	8.96	8.63	
17	8.48	8.46	8.48	8.45	9.89	9.84	9.94	8.91	9.39	8.79	8.90	8.62	
18	8.47	8.46	8.49	8.45	9.87	10.05	9.92	9.33	9.17	8.77	8.84	8.61	
19	8.47	8.45	8.48	8.45	9.85	9.98	9.87	9.84	9.08	8.76	8.83	8.61	
20	8.47	8.45	8.47	8.45	9.83	9.93	9.99	9.26	8.99	8.74	8.82	8.61	
21	8.47	8.47	8.46	8.44	9.82	9.88	9.96	9.05	8.94	8.74	8.80	8.60	
22	8.47	8.46	8.46	8.44	9.79	9.86	9.95	8.95	8.88	8.73	8.76	8.59	
23	8.46	8.46	8.47	8.44	9.78	9.83	9.95	8.86	8.92	8.73	8.75	8.58	
24	8.46	8.48	8.48	8.44	9.75	9.89	9.91	8.81	8.84	8.88	8.74	8.58	
25	8.46	8.52	8.49	8.46	9.76	9.87	9.98	8.76	8.81	8.77	8.73	8.57	
26	8.46	8.54	8.47	8.45	9.76	9.87	10.03	8.66	8.77	8.73	8.73	8.57	
27	8.46	8.51	8.64	9.77	9.77	9.84	9.96	8.73	8.89	8.72	8.72	8.56	
28	8.46	8.54	8.50	10.02	9.76	9.80	9.92	8.70	8.95	8.75	8.71	8.56	
29	8.46	8.49	8.49	9.74	9.81	9.79	9.92	8.67	8.84	8.76	8.70	8.56	
30	8.46	8.50	8.49	9.45	9.79	9.76	9.86	8.65	8.81	8.97		8.55	
31		8.50		9.24	9.78		10.09		8.78	9.07		8.57	
MEAN	8.48	8.47	8.50	8.65	9.85	9.87	9.86	9.19	8.87	8.90	8.89	8.62	
MAX	8.52	8.54	8.65	10.02	10.07	10.11	10.09	9.99	9.70	9.27	9.39	8.70	10.11
MIN	8.46	8.44	8.46	8.44	9.45	9.70	9.73	8.65	8.59	8.72	8.70	8.55	8.44

ANNUAL MAX MOMENTARY GAGE HEIGHT 11.94 M (MSL), AT 1.00 HOURS, ON NOV 19, 1983
ZERO GAGE AT BOTTOM ELEVATION 7.89 M (MSL), RIVER BED 0.52 M (MSL)
LEFT BANK ELEVATION 8.11 M (MSL)
RIGHT BANK ELEVATION 8.58 M (MSL), DRAINAGE AREA 95 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	1.20	0.90	0.90	0.90	3.00	7.50	3.68	10.09	2.60	5.94	7.25	3.00	
2	1.20	0.70	0.80	0.90	5.24	7.50	3.68	7.87	2.50	6.87	6.12	3.00	
3	1.20	0.70	1.00	0.70	13.30	10.46	3.44	10.83	2.30	8.01	5.04	2.90	
4	1.10	0.70	1.00	1.20	11.50	14.88	3.44	9.35	2.20	8.66	4.20	2.90	
5	1.10	0.80	0.90	0.80	10.46	12.10	3.20	7.50	2.00	8.20	4.50	2.80	
6	1.10	0.70	1.10	0.70	9.35	12.10	3.20	8.98	2.00	8.89	3.90	2.80	
7	1.00	0.60	0.80	0.60	9.35	8.61	2.96	10.75	1.90	9.12	4.20	2.80	
8	1.00	0.60	0.80	0.50	11.80	6.88	2.96	8.89	2.00	14.75	9.58	2.70	
9	1.00	0.60	0.80	0.70	9.35	5.64	2.72	8.89	2.10	14.25	8.43	2.60	
10	0.90	0.50	0.80	0.80	8.61	4.71	2.72	6.68	2.10	10.27	9.81	2.50	
11	0.90	0.50	1.30	0.70	7.87	3.68	3.20	7.06	1.90	8.43	17.75	2.50	
12	0.90	0.50	1.70	0.60	7.87	2.72	3.68	7.63	3.15	7.82	16.25	2.40	
13	0.90	0.40	2.50	0.60	7.19	2.00	3.68	7.25	6.12	6.49	12.25	2.30	
14	0.90	0.60	1.30	0.50	7.50	3.68	3.44	23.40	15.25	5.76	9.12	2.30	
15	0.80	0.60	1.00	0.60	7.19	5.33	3.44	17.75	21.30	5.22	7.63	2.40	
16	0.80	0.60	0.90	0.50	6.57	5.02	9.72	9.12	27.00	4.86	7.44	2.30	
17	0.80	0.60	0.80	0.50	7.19	5.64	8.98	6.49	17.75	4.35	6.30	2.20	
18	0.70	0.60	0.90	0.50	6.57	12.70	8.24	16.25	12.25	4.05	5.22	2.10	
19	0.70	0.50	0.80	0.50	5.95	10.46	6.57	31.90	10.04	3.90	5.04	2.10	
20	0.70	0.50	0.70	0.50	5.33	8.61	10.83	14.50	8.01	3.60	4.86	2.10	
21	0.70	0.70	0.60	0.40	5.02	6.88	9.72	9.35	7.06	3.60	4.50	2.00	
22	0.70	0.60	0.60	0.40	4.16	6.26	9.35	7.25	5.94	3.45	3.90	1.90	
23	0.60	0.60	0.70	0.40	3.92	5.33	9.35	5.58	6.68	3.45	3.75	1.80	
24	0.60	0.80	0.80	0.40	3.20	7.19	7.87	4.68	5.22	5.94	3.60	1.80	
25	0.60	1.20	0.90	0.60	3.44	6.57	10.46	3.90	4.68	4.05	3.45	1.70	
26	0.60	1.40	0.70	0.50	3.44	6.57	12.10	2.60	4.05	3.45	3.45	1.70	
27	0.60	1.10	2.40	3.68	3.68	5.64	9.72	3.45	6.12	3.30	3.30	1.60	
28	0.60	1.40	1.00	11.80	3.44	4.40	8.24	3.00	7.25	3.75	3.15	1.60	
29	0.60	0.90	0.90	8.12	4.71	4.16	8.24	2.70	5.22	3.90	3.00	1.60	
30	0.60	1.00	0.90	3.00	4.16	3.44	6.26	2.50	4.68	7.63		1.50	
31		1.00		0.40	3.92		13.90		4.20	9.81		1.70	
TOTAL	25.10	22.90	30.30	43.00	204.28	206.66	198.99	276.19	205.57	201.77	186.99	69.60	1671.35 CMSDAY
MEAN	0.84	0.74	1.01	1.39	6.59	6.89	6.42	9.21	6.63	6.51	6.45	2.25	4.57 CMS
MAX	1.20	1.40	2.50	11.80	13.30	14.88	13.90	31.90	27.00	14.75	17.75	3.00	31.90 CMS
MIN	0.60	0.40	0.60	0.40	3.00	2.00	2.72	2.50	1.90	3.30	3.00	1.50	0.40 CMS
RUNOFF	2.169	1.979	2.618	3.715	17.650	17.855	17.193	23.863	17.761	17.433	16.156	6.013	144.405 MCM

MOMENTARY PEAK 128.70 CMS, AT 11.94 M (MSL), AT 1.00 HOURS, ON NOV 19, 1983

RUNOFF YIELD 48.07 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 1354.74 LITERS/SECOND/SQUARE KM

WATER YEAR 1983

SOUTHERN PENINSULA EAST COAST

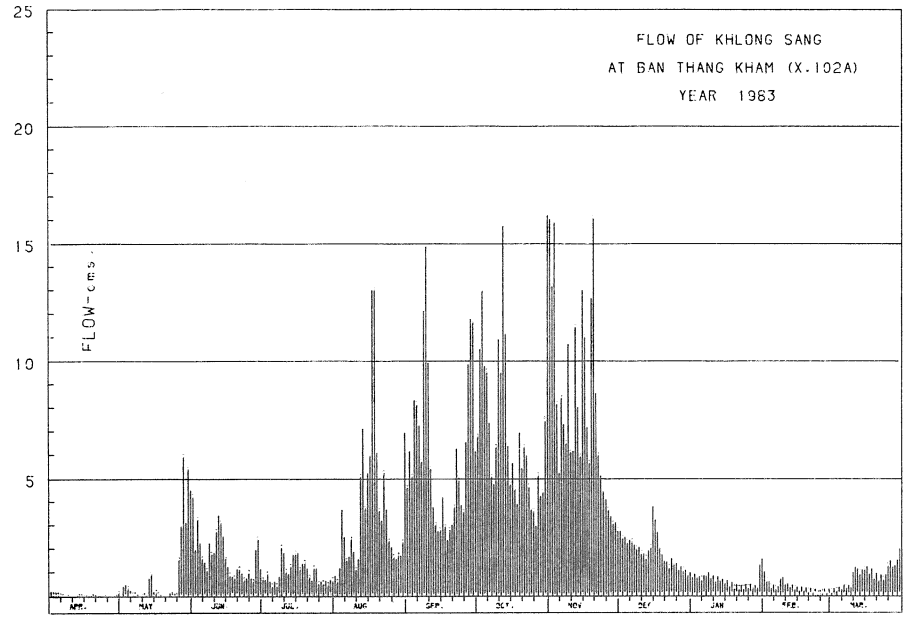
KHLONG SANG AT BAN THANG KHAM, NAKHON SI THAMMARAT (X.102A)

LOCATION	LAT. 8°-17'-57" N., LONG. 99°-23'-00" E., ON RIGHT BANK AT BAN THANG KHAM, TAMBON THA YANG, AMPHOE THUNG YAI, NAKHON SI THAMMARAT.
DRAINAGE AREA	152 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM	+23.100 M.(M.S.L.)
BENCH MARK	B.M.-H.D.
LOCATION	ON RIGHT BANK ABOUT 2.70 METERS FROM THE OBSERVER'S HOUSE.
ELEVATION	+28.385 M.(M.S.L.)
GAGE READING FREQUENCY	13-TIME DAILY READINGS AT 06.00-18.00 HOURS.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 13 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1977 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1977 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1977 TO DATE.
STABILITY OF CHANNEL REGIMES	STABLE.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS GOOD. STAGE-DISCHARGE RELATION DEFINED BY 147 DISCHARGE MEASUREMENTS MADE IN 1983.

GAGE HEIGHT IN METER (MSL), WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	23.97	23.92	25.02	24.17	24.19	25.09	25.49	26.87	24.68	24.22	24.24	24.00	
2	23.96	24.08	24.49	24.14	24.15	25.36	26.07	26.48	24.63	24.21	24.16	24.01	
3	23.96	24.08	24.81	24.24	24.28	25.18	26.45	26.85	24.62	24.21	24.12	24.02	
4	23.95	24.06	24.56	24.12	24.90	25.73	25.96	25.72	24.59	24.18	24.08	24.03	
5	23.94	23.98	24.42	24.10	24.62	25.72	25.94	25.19	24.59	24.18	24.07	24.04	
6	23.93	23.95	24.35	24.12	24.40	25.55	25.57	25.76	24.60	24.19	24.06	24.07	
7	23.92	23.96	24.28	24.10	24.42	25.30	25.18	25.56	24.54	24.23	24.04	24.07	
8	23.92	23.92	24.56	24.18	24.62	26.31	25.10	25.44	24.53	24.23	24.18	24.06	
9	23.91	23.92	24.47	24.54	24.47	26.72	25.41	26.10	24.52	24.20	24.17	24.08	
10	23.91	23.93	24.46	24.46	24.29	25.98	26.13	25.37	24.48	24.19	24.12	24.23	
11	23.91	23.94	24.70	24.27	24.39	25.24	25.93	25.36	24.45	24.17	24.09	24.33	
12	23.91	23.90	24.83	24.21	25.18	24.90	26.83	26.22	24.43	24.18	24.10	24.27	
13	23.93	24.16	24.78	24.33	25.53	24.76	26.18	25.68	24.48	24.17	24.07	24.26	
14	23.92	24.24	24.63	24.44	24.91	24.68	25.40	25.34	24.54	24.15	24.05	24.26	
15	23.92	23.96	24.42	24.48	25.19	24.71	25.12	26.44	24.91	24.14	24.03	24.30	
16	23.92	23.99	24.30	24.46	25.35	24.99	25.27	26.16	24.82	24.13	24.03	24.30	
17	23.91	23.96	24.23	24.29	26.44	24.74	25.08	25.54	24.67	24.11	24.03	24.25	
18	23.90	23.91	24.18	24.34	26.46	24.59	24.93	25.29	24.54	24.11	24.03	24.27	
19	23.93	23.91	24.19	24.38	25.35	24.71	25.52	26.39	24.44	24.07	24.02	24.19	
20	23.91	23.90	24.27	24.28	24.89	24.74	25.23	26.89	24.41	24.08	24.01	24.22	
21	23.86	23.89	24.30	24.20	24.78	24.92	25.41	25.78	24.36	24.05	24.01	24.16	
22	23.89	23.98	24.22	24.13	25.21	25.38	25.33	25.35	24.32	24.05	24.00	24.20	
23	23.90	23.96	24.17	24.31	24.88	25.15	25.10	25.17	24.40	24.06	24.00	24.18	
24	23.91	23.93	24.16	24.28	24.60	24.92	24.88	25.06	24.36	24.08	23.97	24.20	
25	23.86	23.94	24.26	24.12	24.52	24.88	24.89	24.97	24.34	24.09	23.98	24.34	
26	23.88	24.41	24.16	24.12	24.44	25.43	24.73	24.90	24.30	24.08	23.99	24.37	
27	23.88	24.73	24.15	24.13	24.39	25.99	25.19	24.82	24.30	24.06	24.00	24.35	
28	23.86	25.34	24.49	24.13	24.46	26.26	25.00	24.77	24.29	24.06	24.00	24.31	
29	23.92	24.76	24.62	24.11	24.43	26.26	25.05	24.76	24.26	24.08	24.00	24.42	
30	23.97	25.24	24.27	24.14	24.59	25.36	25.58	24.71	24.24	24.32		24.50	
31		25.05		24.17	25.50		26.91		24.23	24.43		24.49	
MEAN	23.92	24.16	24.42	24.24	24.83	25.32	25.51	25.63	24.48	24.15	24.06	24.22	
MAX	23.97	25.34	25.02	24.54	26.46	26.72	26.91	26.89	24.91	24.43	24.24	24.50	26.91
MIN	23.86	23.89	24.15	24.10	24.15	24.59	24.73	24.71	24.23	24.05	23.97	24.00	23.86

ANNUAL MAX MOMENTARY GAGE HEIGHT 27.08 M (MSL), AT 6.00 HOURS, ON NOV 1, 1983
ZERO GAGE AT BOTTOM ELEVATION 23.10 M (MSL), RIVER BED 23.63 M (MSL)
LEFT BANK ELEVATION 28.95 M (MSL)
RIGHT BANK ELEVATION 28.84 M (MSL), DRAINAGE AREA 152 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.22	0.08	4.35	0.79	0.87	4.71	6.89	16.04	2.76	0.97	1.04	0.30	
2	0.19	0.50	1.96	0.69	0.72	6.16	10.52	13.31	2.55	0.94	0.76	0.33	
3	0.19	0.50	3.35	1.04	1.18	5.18	13.10	15.90	2.51	0.94	0.62	0.35	
4	0.17	0.45	2.25	0.62	3.77	8.33	9.79	8.27	2.38	0.83	0.50	0.38	
5	0.14	0.25	1.68	0.55	2.51	8.27	9.66	5.23	2.38	0.83	0.47	0.40	
6	0.11	0.17	1.43	0.62	1.60	7.25	7.37	8.51	2.42	0.87	0.45	0.47	
7	0.08	0.19	1.18	0.55	1.68	5.82	5.18	7.31	2.17	1.00	0.40	0.47	
8	0.08	0.08	2.25	0.83	2.51	12.14	4.76	6.61	2.13	1.00	0.83	0.45	
9	0.06	0.08	1.88	2.17	1.88	14.99	6.44	10.72	2.08	0.90	0.79	0.50	
10	0.06	0.11	1.84	1.84	1.22	9.92	10.92	6.21	1.92	0.87	0.62	1.00	
11	0.06	0.14	2.85	1.15	1.57	5.50	9.60	6.16	1.80	0.79	0.52	1.36	
12	0.06	0.03	3.44	0.94	5.18	3.77	15.76	11.53	1.72	0.83	0.55	1.15	
13	0.11	0.76	3.21	1.36	7.13	3.12	11.26	8.03	1.92	0.79	0.47	1.11	
14	0.08	1.04	2.55	1.76	3.82	2.76	6.38	6.04	2.17	0.72	0.43	1.11	
15	0.08	0.19	1.68	1.92	5.23	2.90	4.86	13.03	3.82	0.69	0.38	1.25	
16	0.08	0.27	1.25	1.84	6.10	4.20	5.66	11.12	3.39	0.66	0.38	1.25	
17	0.06	0.19	1.00	1.22	13.03	3.03	4.66	7.19	2.72	0.59	0.38	1.08	
18	0.03	0.06	0.83	1.39	13.17	2.38	3.91	5.77	2.17	0.59	0.38	1.15	
19	0.11	0.06	0.87	1.53	6.10	2.90	7.07	12.68	1.76	0.47	0.35	0.87	
20	0.06	0.03	1.15	1.18	3.72	3.03	5.44	16.18	1.64	0.50	0.33	0.97	
21	0.01	0.02	1.25	0.90	3.21	3.87	6.44	8.63	1.46	0.43	0.33	0.76	
22	0.02	0.25	0.97	0.66	5.33	6.27	5.99	6.10	1.32	0.43	0.30	0.90	
23	0.03	0.19	0.79	1.29	3.68	5.02	4.76	5.12	1.60	0.45	0.30	0.83	
24	0.06	0.11	0.76	1.18	2.42	3.87	3.68	4.56	1.46	0.50	0.22	0.90	
25	0.01	0.14	1.11	0.62	2.08	3.68	3.72	4.11	1.39	0.52	0.25	1.39	
26	0.02	1.64	0.76	0.62	1.76	6.55	2.98	3.77	1.25	0.50	0.27	1.50	
27	0.02	2.98	0.72	0.66	1.57	9.98	5.23	3.39	1.25	0.45	0.30	1.43	
28	0.01	6.04	1.96	0.66	1.84	11.80	4.25	3.17	1.22	0.45	0.30	1.29	
29	0.08	3.12	2.51	0.59	1.72	11.80	4.51	3.12	1.11	0.50	0.30	1.68	
30	0.22	5.50	1.15	0.69	2.38	6.16	7.43	2.90	1.04	1.32		2.00	
31		4.51		0.79	6.95		16.32		1.00	1.72		1.96	
TOTAL	2.51	29.68	52.98	32.65	115.93	185.36	224.54	240.71	60.51	23.05	13.22	30.59	1011.73 CMSDAY
MEAN	0.08	0.96	1.77	1.05	3.74	6.18	7.24	8.02	1.95	0.74	0.46	0.99	2.76 CMS
MAX	0.22	6.04	4.35	2.17	13.17	14.99	16.32	16.18	3.82	1.72	1.04	2.00	16.32 CMS
MIN	0.01	0.02	0.72	0.55	0.72	2.38	2.98	2.90	1.00	0.43	0.22	0.30	0.01 CMS
RUNOFF	0.217	2.564	4.577	2.821	10.016	16.015	19.400	20.797	5.228	1.992	1.142	2.643	87.413 MCM

MOMENTARY PEAK 17.64 CMS, AT 27.08 M (MSL), AT 6.00 HOURS, ON NOV 1, 1983
RUNOFF YIELD 18.19 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 116.05 LITERS/SECOND/SQUARE KM

WATER YEAR 1983

SOUTHERN PENINSULA EAST COAST

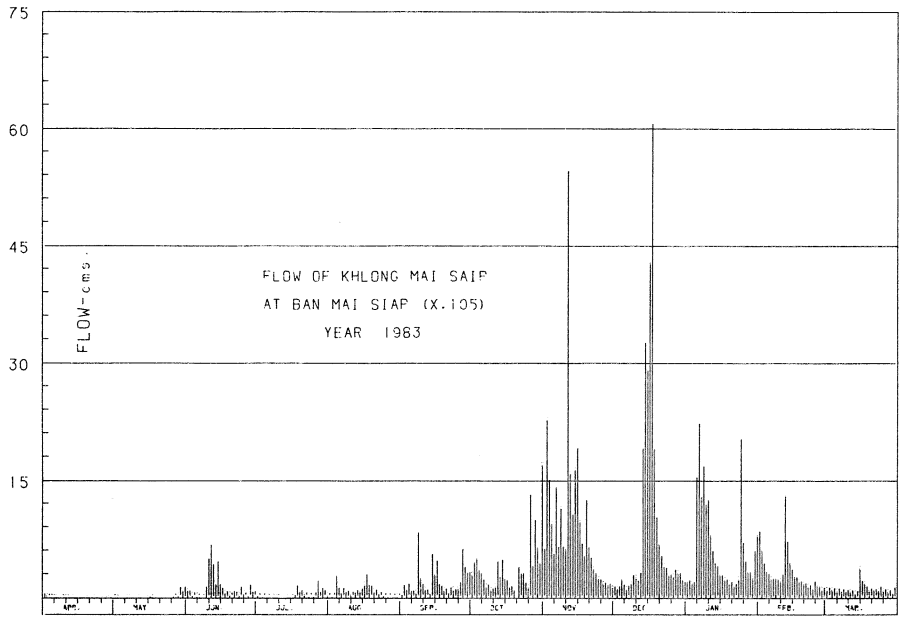
KHLONG MAI SIAP AT BAN MAI SIAP, NAKHON SI THAMMARAT (X.105)

LOCATION	LAT. 7-51-01 N., LONG. 99-55-53 E., ON LEFT BANK AT THE BRIDGE OF NAKHON SI THAMMARAT-PHATTHALUNG HIGHWAY, AT BAN MAI SIAP, AMPHOE CHA-UAT, NAKHON SI THAMMARAT.
DRAINAGE AREA	155 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM	+0.00 M. (A.D.)
BENCH MARK	B.M.-H.D.
LOCATION	ON LEFT BANK ABOUT 10 METERS FROM THE TOP OF STAFF GAGE.
ELEVATION	+7.705 M. (A.D.)
GAGE READING FREQUENCY	13-TIME DAILY READINGS AT 06.00-18.00 HOURS.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 13 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1978 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1979 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1979 TO DATE.
STABILITY OF CHANNEL REGIMES	STABLE.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS FAIR. STAGE-DISCHARGE RELATION DEFINED BY 128 DISCHARGE MEASUREMENTS MADE IN 1983.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.83	0.82	0.96	0.88	0.86	0.91	1.21	1.46	1.00	1.11	1.62	0.99	
2	0.83	0.79	0.92	0.85	0.85	1.02	1.32	2.33	1.00	1.10	1.47	0.98	
3	0.82	0.78	0.88	0.84	0.87	1.00	1.39	1.99	1.00	1.09	1.31	0.98	
4	0.81	0.78	0.88	0.84	1.21	1.04	1.23	1.70	1.15	1.07	1.24	0.97	
5	0.81	0.79	0.86	0.84	0.97	0.96	1.24	1.41	1.03	2.02	1.19	0.96	
6	0.81	0.81	0.83	0.83	0.92	0.92	1.11	1.96	1.00	2.30	1.15	0.96	
7	0.80	0.80	0.82	0.82	0.97	0.93	1.04	1.48	1.01	1.90	1.12	0.95	
8	0.81	0.79	0.82	0.82	0.96	1.61	1.03	1.81	1.08	2.07	1.17	0.95	
9	0.81	0.80	1.05	0.81	0.92	1.16	0.98	1.48	1.17	1.85	1.11	0.94	
10	0.80	0.82	1.36	0.82	0.89	1.04	0.96	1.48	1.17	1.86	1.12	0.94	
11	0.80	0.80	1.53	0.82	0.90	0.99	1.04	3.29	1.09	1.61	1.18	0.95	
12	0.80	0.79	1.30	0.81	0.96	0.94	1.33	2.04	1.23	1.44	1.91	0.93	
13	0.80	0.78	1.07	0.81	0.93	0.93	1.18	1.75	2.17	1.35	1.53	0.92	
14	0.80	0.78	1.33	0.81	0.95	1.41	1.35	2.06	2.68	1.28	1.34	0.92	
15	0.80	0.79	1.07	0.83	0.96	1.21	1.15	2.17	2.55	1.21	1.24	1.28	
16	0.79	0.86	0.97	0.82	1.07	1.34	1.10	1.71	2.99	1.17	1.18	1.09	
17	0.79	0.81	0.93	0.91	1.18	1.09	1.04	1.51	3.44	1.14	1.14	1.08	
18	0.79	0.80	0.91	1.01	1.08	1.01	1.00	1.41	2.18	1.11	1.11	1.00	
19	0.79	0.78	0.89	0.96	1.01	0.98	0.99	1.86	1.73	1.09	1.08	0.97	
20	0.80	0.78	0.87	0.93	0.96	0.96	0.71	1.50	1.52	1.07	1.07	0.96	
21	0.79	0.79	0.98	0.90	0.94	0.94	1.28	1.37	1.39	1.05	1.05	0.98	
22	0.79	0.78	0.90	0.88	0.92	0.98	1.19	1.27	1.31	1.04	1.04	0.95	
23	0.79	0.77	0.88	0.86	0.89	0.99	1.24	1.20	1.26	1.15	1.02	0.96	
24	0.78	0.78	0.99	0.86	0.88	0.95	1.06	1.15	1.21	2.22	1.01	1.00	
25	0.77	0.80	0.92	0.86	0.86	0.99	1.03	1.11	1.18	1.54	1.08	0.97	
26	0.77	0.86	0.87	0.88	0.85	1.07	1.90	1.08	1.19	1.33	1.06	0.95	
27	0.77	0.83	0.87	1.14	0.85	1.49	1.31	1.06	1.24	1.24	1.00	0.94	
28	0.77	0.87	1.02	0.89	0.84	1.27	1.71	1.06	1.23	1.21	0.99	0.93	
29	0.77	0.98	0.96	1.03	0.83	1.24	1.50	1.04	1.20	1.16	0.98	0.92	
30	0.77	0.97	0.91	0.93	0.85	1.21	1.31	1.01	1.14	1.44		0.98	
31		0.99		0.88	0.84		2.09		1.07	1.61		1.06	
MEAN	0.80	0.82	0.98	0.88	0.93	1.09	1.23	1.59	1.47	1.41	1.19	0.98	
MAX	0.83	0.99	1.53	1.14	1.21	1.61	2.09	3.29	3.44	2.30	1.91	1.28	3.44
MIN	0.77	0.77	0.82	0.81	0.83	0.91	0.71	1.01	1.00	1.04	0.98	0.92	0.71

ANNUAL MAX MOMENTARY GAGE HEIGHT 4.20 M (A.D), AT 6.00 HOURS, ON NOV 11, 1983
ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D), RIVER BED -0.51 M (A.D)
LEFT BANK ELEVATION 8.92 M (A.D)
RIGHT BANK ELEVATION 8.87 M (A.D), DRAINAGE AREA 155 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.52	0.48	1.22	0.72	0.64	0.87	3.31	6.28	1.50	2.39	8.52	1.43	
2	0.52	0.36	0.94	0.60	0.60	1.66	4.54	23.05	1.50	2.30	6.41	1.36	
3	0.48	0.32	0.72	0.56	0.68	1.50	5.38	15.09	1.50	2.22	4.42	1.36	
4	0.44	0.32	0.72	0.56	3.31	1.82	3.53	9.80	2.75	2.06	3.64	1.29	
5	0.44	0.36	0.64	0.56	1.29	1.22	3.64	5.63	1.74	15.74	3.11	1.22	
6	0.44	0.44	0.52	0.52	0.94	0.94	2.39	14.46	1.50	22.30	2.75	1.22	
7	0.40	0.40	0.48	0.48	1.29	1.01	1.82	6.54	1.58	13.20	2.48	1.15	
8	0.44	0.36	0.48	0.48	1.22	8.36	1.74	11.67	2.14	16.84	2.93	1.15	
9	0.44	0.40	1.90	0.44	0.94	2.84	1.36	6.54	2.93	12.35	2.39	1.08	
10	0.40	0.48	5.02	0.48	0.76	1.82	1.22	6.54	2.93	12.52	2.48	1.08	
11	0.40	0.40	7.22	0.48	0.80	1.43	1.82	54.60	2.22	8.36	3.02	1.15	
12	0.40	0.36	4.30	0.44	1.22	1.08	4.66	16.18	3.53	6.02	13.41	1.01	
13	0.40	0.32	2.06	0.44	1.01	1.01	3.02	10.65	19.11	4.90	7.22	0.94	
14	0.40	0.32	4.66	0.44	1.15	5.63	4.90	16.62	32.90	4.08	4.78	0.94	
15	0.40	0.36	2.06	0.52	1.22	3.31	2.75	19.11	29.05	3.31	3.64	4.08	
16	0.36	0.64	1.29	0.48	2.06	4.78	2.30	9.97	43.15	2.93	3.02	2.22	
17	0.36	0.44	1.01	0.87	3.02	2.22	1.82	6.94	60.60	2.66	2.66	2.14	
18	0.36	0.40	0.87	1.58	2.14	1.58	1.50	5.63	19.34	2.39	2.39	1.50	
19	0.36	0.32	0.76	1.22	1.58	1.36	1.43	12.52	10.31	2.22	2.14	1.29	
20	0.40	0.32	0.68	1.01	1.22	1.22	0.04	6.80	7.08	2.06	2.06	1.22	
21	0.36	0.36	1.36	0.80	1.08	1.08	4.08	5.14	5.38	1.90	1.90	1.36	
22	0.36	0.32	0.80	0.72	0.94	1.36	3.11	3.97	4.42	1.82	1.82	1.15	
23	0.36	0.28	0.72	0.64	0.76	1.43	3.64	3.20	3.86	2.75	1.66	1.22	
24	0.32	0.32	1.43	0.64	0.72	1.15	1.98	2.75	3.31	20.30	1.58	1.50	
25	0.28	0.40	0.94	0.64	0.64	1.43	1.74	2.39	3.02	7.36	2.14	1.29	
26	0.28	0.64	0.68	0.72	0.60	2.06	13.20	2.14	3.11	4.66	1.98	1.15	
27	0.28	0.52	0.68	2.66	0.60	6.67	4.42	1.98	3.64	3.64	1.50	1.08	
28	0.28	0.68	1.66	0.76	0.56	3.97	9.97	1.98	3.53	3.31	1.43	1.01	
29	0.28	1.36	1.22	1.74	0.52	3.64	6.80	1.82	3.20	2.84	1.36	0.94	
30	0.28	1.29	0.87	1.01	0.60	3.31	4.42	1.58	2.66	6.02		1.36	
31		1.43		0.72	0.56		17.28		2.06	8.36		1.98	
TOTAL	11.44	15.40	47.91	23.93	34.67	71.76	123.81	291.57	285.55	203.81	98.84	42.87	1251.56 CMSDAY
MEAN	0.38	0.50	1.60	0.77	1.12	2.39	3.99	9.72	9.21	6.57	3.41	1.38	3.42 CMS
MAX	0.52	1.43	7.22	2.66	3.31	8.36	17.28	54.60	60.60	22.30	13.41	4.08	60.60 CMS
MIN	0.28	0.28	0.48	0.44	0.52	0.87	0.04	1.58	1.50	1.82	1.36	0.94	0.04 CMS
RUNOFF	0.988	1.331	4.139	2.068	2.995	6.200	10.697	25.192	24.672	17.609	8.540	3.704	108.135 MCM

MOMENTARY PEAK 95.50 CMS, AT 4.20 M (A.D), AT 6.00 HOURS, ON NOV 11, 1983

RUNOFF YIELD 22.06 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 616.13 LITERS/SECOND/SQUARE KM

WATER YEAR 1983

SOUTHERN PENINSULA EAST COAST

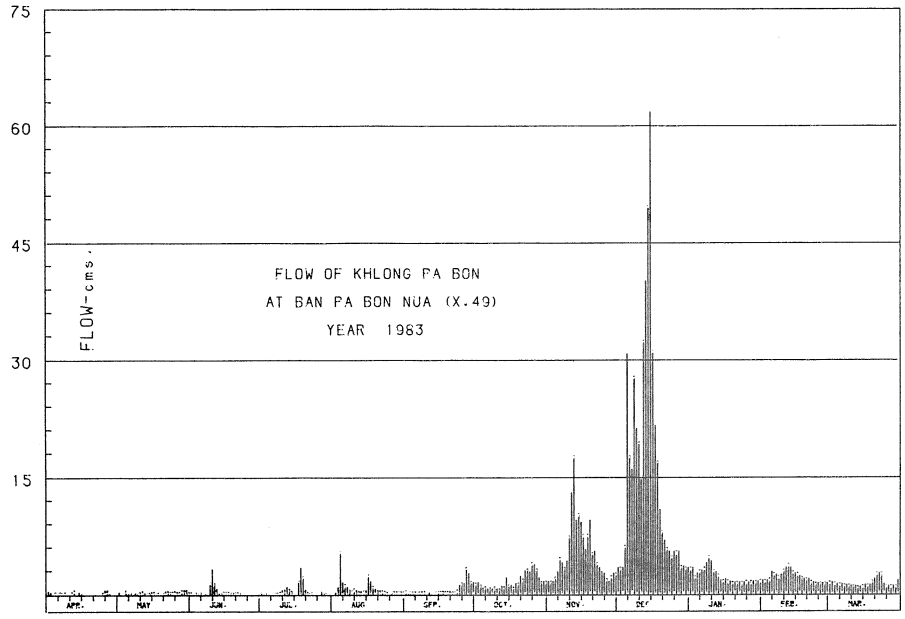
KHLONG PA BON AT BAN PA BON NUA, PHATTHALUNG (X.49)

LOCATION	LAT. 7°-16'-35" N., LONG. 100°-10'-01" E., ON RIGHT BANK UPSTREAM SIDE OF THE BRIDGE ON HIGHWAY AT BAN PA BON NUA, AMPHOE PAK PHAYUN, PHATTHALUNG.
DRAINAGE AREA	82 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM	+21.90 M.(M.S.L.)
BENCH MARK	B.M.-H.D.
LOCATION	ON LEFT BANK ABOUT 30 METERS FROM THE TOP OF STAFF GAGE.
ELEVATION	+25.454 M.(M.S.L.)
GAGE READING FREQUENCY	5-TIME DAILY READINGS AT 06.00, 09.00, 12.00, 15.00 AND 18.00 HOURS.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 5 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1967-1970, 1983 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1967-1968, 1983 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1967-1968, 1983 TO DATE.
STABILITY OF CHANNEL REGIMES	FAIRLY STABLE.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS GOOD. RE-INSTALLATION OF STAFF GAGE ON FEB.1, 1983. STAGE-DISCHARGE RELATION DEFINED BY 18 DISCHARGE MEASUREMENTS MADE IN 1983.

GAGE HEIGHT IN METER (MSL), WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	22.67	22.65	22.65	22.65	22.61	22.68	22.77	22.79	22.89	22.89	22.80	22.78	
2	22.65	22.50	22.65	22.64	22.69	22.66	22.78	22.79	22.89	22.89	22.80	22.78	
3	22.65	22.57	22.65	22.63	22.73	22.66	22.75	22.79	22.89	22.83	22.80	22.77	
4	22.65	22.69	22.65	22.63	22.99	22.66	22.72	22.82	23.02	22.85	22.81	22.76	
5	22.65	22.64	22.65	22.64	22.78	22.66	22.73	22.86	23.75	22.87	22.86	22.76	
6	22.65	22.64	22.54	22.64	22.76	22.66	22.71	22.95	23.41	22.87	22.85	22.76	
7	22.65	22.59	22.62	22.64	22.73	22.66	22.72	22.92	23.36	22.89	22.84	22.75	
8	22.65	22.64	22.65	22.65	22.70	22.67	22.71	22.89	23.68	22.92	22.83	22.75	
9	22.57	22.65	22.78	22.66	22.69	22.67	22.73	22.93	23.51	22.96	22.84	22.75	
10	22.56	22.65	22.88	22.69	22.71	22.61	22.71	23.07	23.46	22.93	22.87	22.74	
11	22.66	22.68	22.77	22.70	22.69	22.64	22.71	23.27	23.32	22.87	22.89	22.74	
12	22.69	22.64	22.71	22.73	22.67	22.64	22.74	23.41	23.79	22.86	22.91	22.74	
13	22.60	22.64	22.63	22.71	22.67	22.64	22.73	23.15	23.96	22.84	22.89	22.73	
14	22.65	22.64	22.64	22.68	22.68	22.66	22.82	23.18	24.16	22.80	22.86	22.73	
15	22.65	22.66	22.66	22.59	22.69	22.67	22.75	23.14	24.40	22.80	22.85	22.74	
16	22.60	22.66	22.66	22.61	22.84	22.67	22.75	23.08	23.76	22.81	22.85	22.75	
17	22.60	22.65	22.66	22.80	22.79	22.67	22.73	23.00	23.52	22.80	22.83	22.75	
18	22.58	22.64	22.65	22.89	22.74	22.67	22.77	23.08	23.39	22.79	22.82	22.75	
19	22.56	22.64	22.64	22.83	22.71	22.67	22.77	23.15	23.20	22.78	22.81	22.79	
20	22.56	22.64	22.65	22.70	22.69	22.67	22.83	22.98	23.10	22.78	22.81	22.81	
21	22.56	22.67	22.65	22.66	22.69	22.66	22.81	22.99	23.05	22.78	22.81	22.85	
22	22.34	22.68	22.65	22.65	22.68	22.66	22.87	22.92	23.01	22.78	22.79	22.85	
23	22.35	22.66	22.65	22.65	22.68	22.69	22.88	22.89	22.99	22.78	22.78	22.85	
24	22.65	22.66	22.64	22.60	22.66	22.75	22.86	22.86	22.96	22.78	22.77	22.76	
25	22.69	22.68	22.61	22.51	22.64	22.77	22.92	22.85	22.99	22.79	22.77	22.74	
26	22.69	22.66	22.59	22.46	22.67	22.77	22.91	22.81	22.99	22.78	22.77	22.74	
27	22.64	22.66	22.58	22.67	22.67	22.89	22.88	22.79	22.99	22.79	22.77	22.74	
28	22.49	22.69	22.58	22.65	22.66	22.85	22.82	22.83	22.90	22.79	22.77	22.74	
29	22.44	22.70	22.57	22.64	22.66	22.79	22.79	22.85	22.90	22.79	22.77	22.74	
30	22.60	22.69	22.60	22.63	22.66	22.78	22.79	22.85	22.89	22.79		22.80	
31		22.66		22.01	22.66		22.79		22.89	22.80		22.86	
MEAN	22.60	22.65	22.65	22.64	22.71	22.69	22.78	22.96	23.29	22.83	22.82	22.77	
MAX	22.69	22.70	22.88	22.89	22.99	22.89	22.92	23.41	24.40	22.96	22.91	22.86	24.40
MIN	22.34	22.50	22.54	22.01	22.61	22.61	22.71	22.79	22.89	22.78	22.77	22.73	22.01

ANNUAL MAX MOMENTARY GAGE HEIGHT 24.50 M (MSL), AT 19.00 HOURS, ON DEC 15, 1983
ZERO GAGE AT BOTTOM ELEVATION 21.90 M (MSL), RIVER BED 21.79 M (MSL)
LEFT BANK ELEVATION 28.26 M (MSL)
RIGHT BANK ELEVATION 28.11 M (MSL), DRAINAGE AREA 82 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.49	0.35	0.35	0.35	0.07	0.56	1.54	1.78	3.52	3.52	1.90	1.66	
2	0.35	0.00	0.35	0.28	0.63	0.42	1.66	1.78	3.52	3.52	1.90	1.66	
3	0.35	0.00	0.35	0.21	1.06	0.42	1.30	1.78	3.52	2.44	1.90	1.54	
4	0.35	0.63	0.35	0.21	5.59	0.42	0.94	2.26	6.28	2.80	2.08	1.42	
5	0.35	0.28	0.35	0.28	1.66	0.42	1.06	2.98	30.80	3.16	2.98	1.42	
6	0.35	0.28	0.00	0.28	1.42	0.42	0.82	4.75	17.75	3.16	2.80	1.42	
7	0.35	0.00	0.14	0.28	1.06	0.42	0.94	4.12	16.04	3.52	2.62	1.30	
8	0.35	0.28	0.35	0.35	0.70	0.49	0.82	3.52	27.90	4.12	2.44	1.30	
9	0.00	0.35	1.66	0.42	0.63	0.49	1.06	4.33	21.28	4.96	2.62	1.30	
10	0.00	0.35	3.34	0.63	0.82	0.07	0.82	7.48	19.50	4.33	3.16	1.18	
11	0.42	0.56	1.54	0.70	0.63	0.28	0.82	13.07	14.68	3.16	3.52	1.18	
12	0.63	0.28	0.82	1.06	0.49	0.28	1.18	17.75	32.48	2.98	3.91	1.18	
13	0.00	0.28	0.21	0.82	0.49	0.28	1.06	9.55	40.16	2.62	3.52	1.06	
14	0.35	0.28	0.28	0.56	0.56	0.42	2.26	10.36	49.74	1.90	2.98	1.06	
15	0.35	0.42	0.42	0.00	0.63	0.49	1.30	9.28	61.80	1.90	2.80	1.18	
16	0.00	0.42	0.42	0.07	2.62	0.49	1.30	7.72	31.22	2.08	2.80	1.30	
17	0.00	0.35	0.42	1.90	1.78	0.49	1.06	5.80	21.66	1.90	2.44	1.30	
18	0.00	0.28	0.35	3.52	1.18	0.49	1.54	7.72	17.06	1.78	2.26	1.30	
19	0.00	0.28	0.28	2.44	0.82	0.49	1.54	9.55	10.90	1.66	2.08	1.78	
20	0.00	0.28	0.35	0.70	0.63	0.49	2.44	5.38	8.20	1.66	2.08	2.08	
21	0.00	0.49	0.35	0.42	0.63	0.42	2.08	5.59	7.00	1.66	2.08	2.80	
22	0.00	0.56	0.35	0.35	0.56	0.42	3.16	4.12	6.04	1.66	1.78	2.80	
23	0.00	0.42	0.35	0.35	0.56	0.63	3.34	3.52	5.59	1.66	1.66	2.80	
24	0.35	0.42	0.28	0.00	0.42	1.30	2.98	2.98	4.96	1.66	1.54	1.42	
25	0.63	0.56	0.07	0.00	0.28	1.54	4.12	2.80	5.59	1.78	1.54	1.18	
26	0.63	0.42	0.00	0.00	0.49	1.54	3.91	2.08	5.59	1.66	1.54	1.18	
27	0.28	0.42	0.00	0.49	0.49	3.52	3.34	1.78	5.59	1.78	1.54	1.18	
28	0.00	0.63	0.00	0.35	0.42	2.80	2.26	2.44	3.70	1.78	1.54	1.18	
29	0.00	0.70	0.00	0.28	0.42	1.78	1.78	2.80	3.70	1.78	1.54	1.18	
30	0.00	0.63	0.00	0.21	0.42	1.66	1.78	2.80	3.52	1.78		1.90	
31		0.42		0.00	0.42		1.78		3.52	1.90		2.98	
TOTAL	6.58	11.62	13.73	17.51	28.58	23.94	55.99	161.87	492.81	76.27	67.55	48.22	1004.67 CMSDAY
MEAN	0.22	0.37	0.46	0.56	0.92	0.80	1.81	5.40	15.90	2.46	2.33	1.56	2.75 CMS
MAX	0.63	0.70	3.34	3.52	5.59	3.52	4.12	17.75	61.80	4.96	3.91	2.98	61.80 CMS
MIN	0.00	0.00	0.00	0.00	0.07	0.07	0.82	1.78	3.52	1.66	1.54	1.06	0.00 CMS
RUNOFF	0.569	1.004	1.186	1.513	2.469	2.068	4.838	13.986	42.579	6.590	5.836	4.166	86.803 MCM

MOMENTARY PEAK 67.00 CMS, AT 24.50 M (MSL), AT 19.00 HOURS, ON DEC 15, 1983

RUNOFF YIELD 33.48 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 817.07 LITERS/SECOND/SQUARE KM

WATER YEAR 1983

SOUTHERN PENINSULA EAST COAST

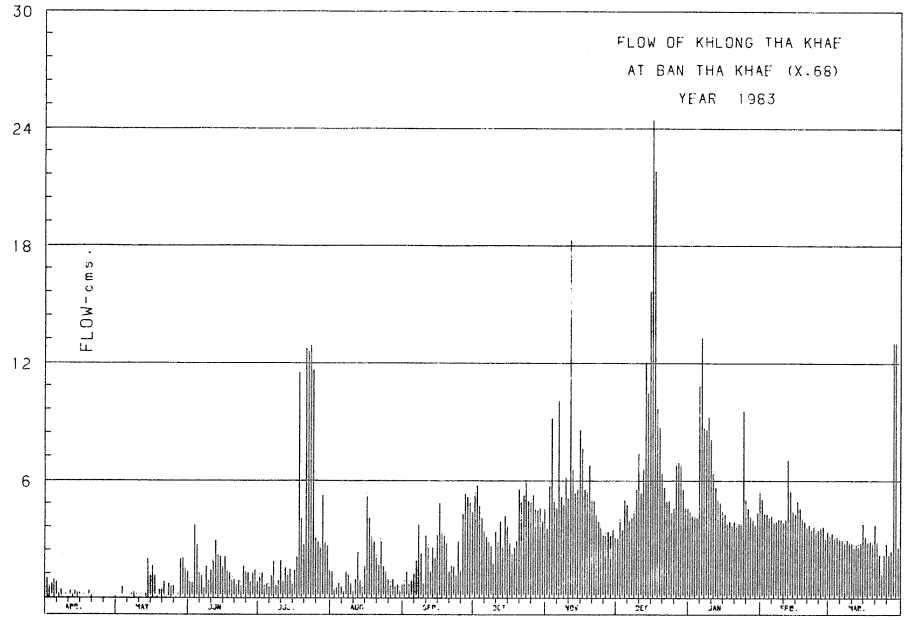
KHLONG THA KHAE AT BAN THA KHAE, PHATTHALUNG (X.68)

LOCATION	LAT. 7°-34'-01" N., LONG. 100°-03'-05" E., ON LEFT BANK DOWNSTREAM SIDE OF THE BRIDGE OF PHATTHALUNG-HAT YAI HIGHWAY, TAMBON THA KHAE, AMPHOE MUANG, PHATTHALUNG.
DRAINAGE AREA	FLOOD PLAIN.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM	+11.805 M.(M.S.L.)
BENCH MARK	B.M.-H.D.
LOCATION	ON RIGHT BANK NEAR THE GAGE OBSERVER'S HOUSE.
ELEVATION	+14.916 M.(M.S.L.)
GAGE READING FREQUENCY	5-TIME DAILY READINGS AT 06.00, 09.00, 12.00, 15.00 AND 18.00 HOURS.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 5 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1967 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1967-1972, 1983 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1967-1972, 1983 TO DATE.
STABILITY OF CHANNEL REGIMES	STABLE.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS GOOD. STAGE-DISCHARGE RELATION DEFINED BY 29 DISCHARGE MEASUREMENTS MADE IN 1983.

GAGE HEIGHT IN METER (MSL), WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	12.62	12.44	12.62	12.65	12.67	12.60	13.15	12.96	12.90	13.07	13.12	12.93	
2	12.58	12.44	12.58	12.66	12.54	12.67	13.19	13.20	13.01	13.03	13.06	12.93	
3	12.57	12.54	13.00	12.59	12.53	12.60	13.10	13.49	12.95	13.04	13.04	12.92	
4	12.64	12.46	12.86	12.57	12.61	12.60	13.02	13.12	13.13	13.02	13.04	12.91	
5	12.59	12.45	12.69	12.57	12.54	12.68	12.96	13.07	13.09	13.63	13.03	12.91	
6	12.51	12.45	12.64	12.64	12.53	12.75	12.91	13.57	13.02	13.80	13.01	12.89	
7	12.51	12.46	12.56	12.77	12.67	13.00	12.90	13.13	13.02	13.46	13.00	12.89	
8	12.46	12.53	12.71	12.55	12.67	12.80	12.85	13.11	13.06	13.44	13.03	12.89	
9	12.46	12.45	12.63	12.63	12.57	12.60	12.75	13.23	13.17	13.51	13.01	12.89	
10	12.47	12.46	12.68	12.75	12.53	12.92	12.94	13.14	13.35	13.40	13.01	12.87	
11	12.50	12.45	12.77	12.62	12.61	12.86	12.90	14.15	13.15	13.26	13.01	12.86	
12	12.50	12.41	12.89	12.70	12.83	12.67	13.00	13.28	13.28	13.18	13.32	12.86	
13	12.50	12.46	12.82	12.67	12.60	12.86	12.86	13.15	13.71	13.13	13.16	12.86	
14	12.52	12.79	12.78	12.69	12.57	12.77	13.03	13.19	13.60	13.10	13.07	12.87	
15	12.47	12.64	12.73	12.59	12.71	12.94	12.99	13.44	13.97	13.07	13.04	13.00	
16	12.45	12.74	12.78	12.68	13.15	13.10	12.87	13.37	14.55	13.04	13.12	12.91	
17	12.45	12.64	12.70	12.80	13.02	12.95	12.82	13.17	14.38	13.00	13.07	12.89	
18	12.44	12.47	12.66	13.67	12.93	12.92	12.84	13.17	13.54	13.00	13.03	12.88	
19	12.50	12.51	12.63	13.03	12.88	12.89	12.91	13.29	13.45	12.99	13.00	12.88	
20	12.49	12.55	12.61	12.86	12.79	12.67	13.17	13.13	13.26	13.00	12.98	12.98	
21	12.45	12.59	12.60	13.77	12.72	12.74	13.12	13.11	13.18	12.99	12.98	12.90	
22	12.45	12.43	12.60	13.75	12.90	12.71	13.14	13.05	13.12	12.99	12.97	12.79	
23	12.44	12.57	12.59	13.78	12.71	12.66	13.22	13.00	13.11	13.00	12.97	12.67	
24	12.39	12.58	12.71	13.68	12.70	12.88	13.11	12.98	13.06	13.52	12.95	12.79	
25	12.40	12.55	12.70	12.92	12.61	12.70	13.12	12.92	13.07	13.13	12.95	12.88	
26	12.41	12.46	12.66	12.88	12.59	13.04	13.14	12.93	13.30	13.07	12.98	12.79	
27	12.42	12.46	12.61	12.86	12.61	13.16	13.08	12.94	13.30	13.04	12.97	12.84	
28	12.44	12.79	12.66	13.14	12.57	13.13	13.06	12.93	13.30	13.01	12.91	13.78	
29	12.42	12.77	12.71	12.89	12.56	13.12	13.09	12.95	13.17	13.00	12.94	13.79	
30	12.46	12.72	12.59	12.85	12.54	13.05	13.00	12.92	13.09	13.05		12.84	
31		12.67		12.70	12.56		13.08		13.07	13.17		12.95	
MEAN	12.48	12.55	12.69	12.90	12.68	12.83	13.01	13.17	13.30	13.17	13.03	12.94	
MAX	12.64	12.79	13.00	13.78	13.15	13.16	13.22	14.15	14.55	13.80	13.32	13.79	14.55
MIN	12.39	12.41	12.56	12.55	12.53	12.60	12.75	12.92	12.90	12.99	12.91	12.67	12.39

ANNUAL MAX MOMENTARY GAGE HEIGHT 14.85 M (MSL), AT 16.00 HOURS, ON DEC 16, 1983
ZERO GAGE AT BOTTOM ELEVATION 11.80 M (MSL), RIVER BED 11.27 M (MSL)
LEFT BANK ELEVATION 17.83 M (MSL)
RIGHT BANK ELEVATION 17.81 M (MSL), DRAINAGE AREA SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	1.01	0.15	1.01	1.21	1.34	0.88	5.35	3.55	3.03	4.57	5.05	3.29	
2	0.78	0.15	0.78	1.28	0.57	1.34	5.74	5.84	4.00	4.19	4.47	3.29	
3	0.73	0.57	3.90	0.83	0.52	0.88	4.85	9.18	3.47	4.28	4.28	3.20	
4	1.14	0.22	2.72	0.73	0.95	0.88	4.09	5.05	5.15	4.09	4.28	3.12	
5	0.83	0.19	1.47	0.73	0.57	1.41	3.55	4.57	4.75	10.99	4.19	3.12	
6	0.42	0.19	1.14	1.14	0.52	1.90	3.12	10.21	4.09	13.30	4.00	2.95	
7	0.42	0.22	0.68	2.04	1.34	3.90	3.03	5.15	4.09	8.82	3.90	2.95	
8	0.22	0.52	1.61	0.63	1.34	2.26	2.65	4.95	4.47	8.58	4.19	2.95	
9	0.22	0.19	1.08	1.08	0.73	0.88	1.90	6.16	5.54	9.43	4.00	2.95	
10	0.26	0.22	1.41	1.90	0.52	3.20	3.38	5.25	7.50	8.10	4.00	2.80	
11	0.37	0.19	2.04	1.01	0.95	2.72	3.03	18.30	5.35	6.48	4.00	2.72	
12	0.37	0.04	2.95	1.54	2.49	1.34	3.90	6.69	6.69	5.64	7.14	2.72	
13	0.37	0.22	2.41	1.34	0.88	2.72	2.72	5.35	12.04	5.15	5.44	2.72	
14	0.47	2.19	2.12	1.47	0.73	2.04	4.19	5.74	10.60	4.85	4.57	2.80	
15	0.26	1.14	1.76	0.83	1.61	3.38	3.81	8.58	15.68	4.57	4.28	3.90	
16	0.19	1.83	2.12	1.41	5.35	4.85	2.80	7.74	24.53	4.28	5.05	3.12	
17	0.19	1.14	1.54	2.26	4.09	3.47	2.41	5.54	21.82	3.90	4.57	2.95	
18	0.15	0.26	1.28	11.51	3.29	3.20	2.57	5.54	9.82	3.90	4.19	2.88	
19	0.37	0.42	1.08	4.19	2.88	2.95	3.12	6.79	8.70	3.81	3.90	2.88	
20	0.33	0.63	0.95	2.72	2.19	1.34	5.54	5.15	6.48	3.90	3.73	3.73	
21	0.19	0.83	0.88	12.88	1.68	1.83	5.05	4.95	5.64	3.81	3.73	3.03	
22	0.19	0.11	0.88	12.60	3.03	1.61	5.25	4.38	5.05	3.81	3.64	2.19	
23	0.15	0.73	0.83	13.02	1.61	1.28	6.05	3.90	4.95	3.90	3.64	1.34	
24	0.00	0.78	1.61	11.64	1.54	2.88	4.95	3.73	4.47	9.56	3.47	2.19	
25	0.00	0.63	1.54	3.20	0.95	1.54	5.05	3.20	4.57	5.15	3.47	2.88	
26	0.04	0.22	1.28	2.88	0.83	4.28	5.25	3.29	6.90	4.57	3.73	2.19	
27	0.07	0.22	0.95	2.72	0.95	5.44	4.66	3.38	6.90	4.28	3.64	2.57	
28	0.15	2.19	1.28	5.25	0.73	5.15	4.47	3.29	6.90	4.00	3.12	13.02	
29	0.07	2.04	1.61	2.95	0.68	5.05	4.75	3.47	5.54	3.90	3.38	13.16	
30	0.22	1.68	0.83	2.65	0.57	4.38	3.90	3.20	4.75	4.38		2.57	
31		1.34		1.54	0.68		4.66		4.57	5.54		3.47	
TOTAL	10.18	21.45	45.74	111.18	46.11	78.98	125.79	172.12	228.04	175.73	121.05	109.65	1246.02 CMSDAY
MEAN	0.34	0.69	1.52	3.59	1.49	2.63	4.06	5.74	7.36	5.67	4.17	3.54	3.40 CMS
MAX	1.14	2.19	3.90	13.02	5.35	5.44	6.05	18.30	24.53	13.30	7.14	13.16	24.53 CMS
MIN	0.00	0.04	0.68	0.63	0.52	0.88	1.90	3.20	3.03	3.81	3.12	1.34	0.00 CMS
RUNOFF	0.880	1.853	3.952	9.606	3.984	6.824	10.868	14.871	19.703	15.183	10.459	9.474	107.656 MCM

MOMENTARY PEAK 29.30 CMS, AT 14.85 M (MSL), AT 16.00 HOURS, ON DEC 16, 1983
RUNOFF YIELD 0.00 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 0.00 LITERS/SECOND/SQUARE KM

WATER YEAR 1983

SOUTHERN PENINSULA EAST COAST

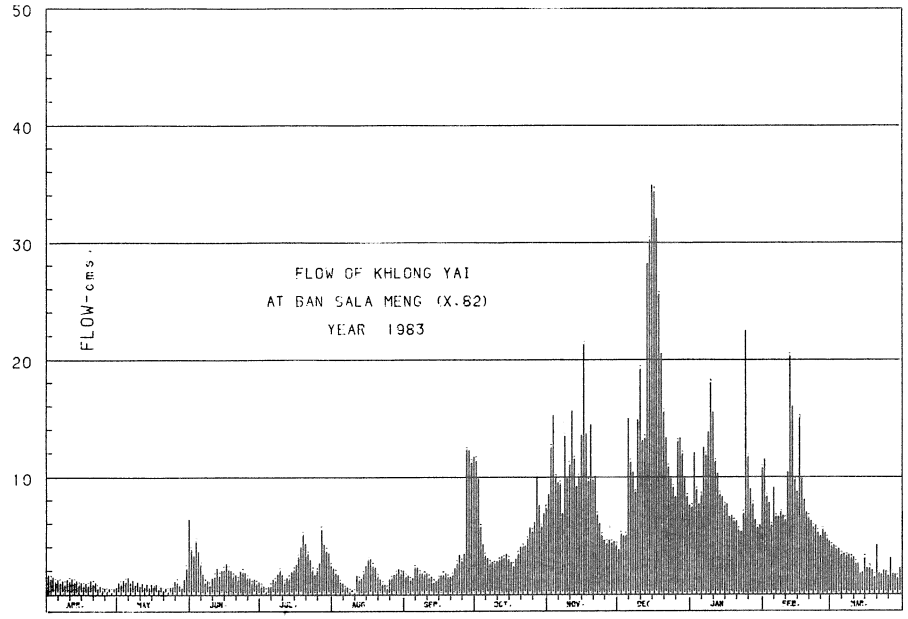
KHLONG YAI AT BAN SALA MENG, PHATTHALUNG (X.82)

LOCATION	LAT. 7°-26'-46" N., LONG. 99°-59'-49" E., ON LEFT BANK AT BAN SALA MENG, KING AMPHOE KONG RA, PHATTHALUNG.
DRAINAGE AREA	116 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM	+25.839 M.(M.S.L.)
BENCH MARK	B.M.-H.D.
LOCATION	ON LEFT BANK NEAR THE STAFF GAGE SITE.
ELEVATION	+29.776 M.(M.S.L.)
GAGE READING FREQUENCY	5-TIME DAILY READINGS AT 06.00, 09.00, 12.00, 15.00 AND 18.00 HOURS
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 5 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1969-1984.
RATING OPERATION	
PERIOD OF RATING	1983-1984.
RATED BY FLOAT	-
RATED BY CURRENT METER	1983-1984.
STABILITY OF CHANNEL REGIMES	STABLE.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS POOR. STAGE-DISCHARGE RELATION DEFINED BY 27 DISCHARGE MEASUREMENTS MADE IN 1983.

GAGE HEIGHT IN METER (MSL), WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	26.91	26.79	27.26	26.77	27.00	26.92	28.03	27.74	27.23	27.66	28.01	27.30	
2	26.90	26.81	27.16	26.72	26.98	26.90	27.86	28.12	27.41	28.06	27.74	27.28	
3	26.88	26.83	27.35	26.68	26.91	26.87	27.48	28.32	27.37	27.79	27.67	27.26	
4	26.85	26.85	27.21	26.71	26.83	26.86	27.29	27.89	27.40	27.66	27.49	27.24	
5	26.84	26.87	27.08	26.77	26.77	27.04	27.19	27.83	28.30	27.75	27.79	27.20	
6	26.84	26.85	26.92	26.84	26.73	27.01	27.13	27.84	28.01	28.10	27.57	27.18	
7	26.82	26.83	26.84	26.86	26.70	26.97	27.10	27.58	27.91	28.06	27.55	27.18	
8	26.81	26.81	26.82	26.92	26.66	26.93	27.08	28.20	27.77	28.21	27.61	27.17	
9	26.84	26.80	26.80	27.00	26.63	26.95	27.09	27.86	28.29	28.54	27.56	27.16	
10	26.86	26.79	26.86	26.91	26.65	26.93	27.09	27.99	28.62	28.34	27.55	27.14	
11	26.85	26.78	26.93	26.83	26.90	26.91	27.13	28.35	28.15	28.01	27.91	27.10	
12	26.84	26.77	27.00	26.86	26.88	26.88	27.15	28.03	28.19	27.90	28.69	27.06	
13	26.82	26.76	26.94	26.90	26.85	26.84	27.16	27.80	29.18	27.76	28.38	26.96	
14	26.80	26.76	26.97	26.95	26.96	26.81	27.18	27.89	29.31	27.72	27.87	26.94	
15	26.79	26.76	27.02	27.01	27.03	26.89	27.15	28.19	29.56	27.67	27.76	27.16	
16	26.78	26.78	27.06	27.05	27.14	26.90	27.08	28.76	29.55	27.66	28.32	27.00	
17	26.78	26.76	27.03	27.17	27.12	26.95	27.07	28.20	29.40	27.57	27.86	27.04	
18	26.79	26.73	26.97	27.26	27.07	26.93	27.12	27.86	29.03	27.56	27.72	26.97	
19	26.82	26.71	26.93	27.41	27.01	26.91	27.21	28.26	28.69	27.53	27.59	26.92	
20	26.82	26.69	26.91	27.30	26.92	26.88	27.26	27.87	28.36	27.51	27.57	27.28	
21	26.79	26.68	26.88	27.21	26.84	26.93	27.29	27.88	28.17	27.45	27.51	26.96	
22	26.75	26.67	26.96	27.11	26.81	27.00	27.27	27.59	27.97	27.41	27.48	26.91	
23	26.72	26.70	26.99	27.01	26.75	27.10	27.36	27.49	27.86	27.60	27.47	27.01	
24	26.69	26.76	26.94	26.91	26.73	27.17	27.45	27.40	27.81	28.82	27.43	26.96	
25	26.68	26.81	26.90	27.00	26.84	27.12	27.44	27.33	27.72	28.05	27.37	26.94	
26	26.67	26.84	26.86	27.07	26.89	27.18	27.50	27.33	28.16	27.78	27.45	27.13	
27	26.67	26.73	26.82	27.46	26.91	28.10	27.90	27.33	28.17	27.68	27.40	26.96	
28	26.66	26.75	26.84	27.29	26.96	28.08	27.65	27.33	28.07	27.52	27.37	26.91	
29	26.67	26.84	26.82	27.25	26.99	28.01	27.48	27.32	27.86	27.47	27.32	26.90	
30	26.76	27.04	26.80	27.19	26.97	28.03	27.58	27.31	27.74	27.47		27.00	
31		27.53		27.07	26.97		27.65		27.65	27.96		27.58	
MEAN	26.79	26.81	26.96	27.02	26.88	27.10	27.34	27.83	28.22	27.82	27.69	27.09	
MAX	26.91	27.53	27.35	27.46	27.14	28.10	28.03	28.76	29.56	28.82	28.69	27.58	29.56
MIN	26.66	26.67	26.80	26.68	26.63	26.81	27.07	27.31	27.23	27.41	27.32	26.90	26.63

ANNUAL MAX MOMENTARY GAGE HEIGHT 29.64 M (MSL), AT 18.00 HOURS, ON DEC 15, 1983
ZERO GAGE AT BOTTOM ELEVATION 25.83 M (MSL), RIVER BED 26.57 M (MSL)
LEFT BANK ELEVATION 32.05 M (MSL)
RIGHT BANK ELEVATION 31.43 M (MSL), DRAINAGE AREA 116 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	1.71	1.05	4.05	0.97	2.25	1.77	11.73	8.54	3.82	7.70	11.51	4.35	
2	1.65	1.16	3.32	0.74	2.13	1.65	9.86	12.74	5.34	12.06	8.54	4.20	
3	1.54	1.27	4.80	0.58	1.71	1.49	5.97	15.26	4.98	9.09	7.80	4.05	
4	1.38	1.38	3.67	0.69	1.27	1.43	4.28	10.19	5.25	7.70	6.06	3.90	
5	1.32	1.49	2.77	0.97	0.97	2.51	3.53	9.53	15.00	8.65	9.09	3.60	
6	1.32	1.38	1.77	1.32	0.78	2.32	3.11	9.64	11.51	12.50	6.81	3.46	
7	1.21	1.27	1.32	1.43	0.65	2.07	2.90	6.91	10.41	12.06	6.62	3.46	
8	1.16	1.16	1.21	1.77	0.51	1.83	2.77	13.70	8.87	13.83	7.20	3.39	
9	1.32	1.10	1.10	2.25	0.40	1.95	2.83	9.86	14.87	18.28	6.72	3.32	
10	1.43	1.05	1.43	1.71	0.47	1.83	2.83	11.29	19.45	15.52	6.62	3.18	
11	1.38	1.01	1.83	1.27	1.65	1.71	3.11	15.65	13.10	11.51	10.41	2.90	
12	1.32	0.97	2.25	1.43	1.54	1.54	3.25	11.73	13.58	10.30	20.52	2.64	
13	1.21	0.92	1.89	1.65	1.38	1.32	3.32	9.20	28.18	8.76	16.04	2.01	
14	1.10	0.92	2.07	1.95	2.01	1.16	3.46	10.19	30.46	8.32	9.97	1.89	
15	1.05	0.92	2.38	2.32	2.45	1.59	3.25	13.58	34.91	7.80	8.76	3.32	
16	1.01	1.01	2.64	2.57	3.18	1.65	2.77	21.58	34.73	7.70	15.26	2.25	
17	1.01	0.92	2.45	3.39	3.04	1.95	2.70	13.70	32.06	6.81	9.86	2.51	
18	1.05	0.78	2.07	4.05	2.70	1.83	3.04	9.86	25.78	6.72	8.32	2.07	
19	1.21	0.69	1.83	5.34	2.32	1.71	3.67	14.48	20.52	6.44	7.00	1.77	
20	1.21	0.61	1.71	4.35	1.77	1.54	4.05	9.97	15.78	6.25	6.81	4.20	
21	1.05	0.58	1.54	3.67	1.32	1.83	4.28	10.08	13.34	5.70	6.25	2.01	
22	0.88	0.54	2.01	2.97	1.16	2.25	4.13	7.00	11.07	5.34	5.97	1.71	
23	0.74	0.65	2.19	2.32	0.88	2.90	4.89	6.06	9.86	7.10	5.88	2.32	
24	0.61	0.92	1.89	1.71	0.78	3.39	5.70	5.25	9.31	22.49	5.52	2.01	
25	0.58	1.16	1.65	2.25	1.32	3.04	5.61	4.62	8.32	11.95	4.98	1.89	
26	0.54	1.32	1.43	2.70	1.59	3.46	6.15	4.62	13.22	8.98	5.70	3.11	
27	0.54	0.78	1.21	5.79	1.71	12.50	10.30	4.62	13.34	7.90	5.25	2.01	
28	0.51	0.88	1.32	4.28	2.01	12.28	7.60	4.62	12.17	6.34	4.98	1.71	
29	0.54	1.32	1.21	3.98	2.19	11.51	5.97	4.53	9.86	5.88	4.53	1.65	
30	0.92	2.51	1.10	3.53	2.07	11.73	6.91	4.44	8.54	5.88		2.25	
31		6.44		2.70	2.07		7.60		7.60	10.96		6.91	
TOTAL	32.50	38.16	62.11	76.65	50.28	99.74	151.57	293.44	465.23	296.52	238.98	90.05	1895.23 CMSDAY
MEAN	1.08	1.23	2.07	2.47	1.62	3.32	4.89	9.78	15.01	9.57	8.24	2.90	5.18 CMS
MAX	1.71	6.44	4.80	5.79	3.18	12.50	11.73	21.58	34.91	22.49	20.52	6.91	34.91 CMS
MIN	0.51	0.54	1.10	0.58	0.40	1.16	2.70	4.44	3.82	5.34	4.53	1.65	0.40 CMS
RUNOFF	2.808	3.297	5.366	6.623	4.344	8.618	13.096	25.353	40.196	25.619	20.648	7.780	163.748 MCM

MOMENTARY PEAK 36.33 CMS, AT 29.64 M (MSL), AT 18.00 HOURS, ON DEC 15, 1983
RUNOFF YIELD 44.64 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 313.21 LITERS/SECOND/SQUARE KM

WATER YEAR 1983

SOUTHERN PENINSULA EAST COAST

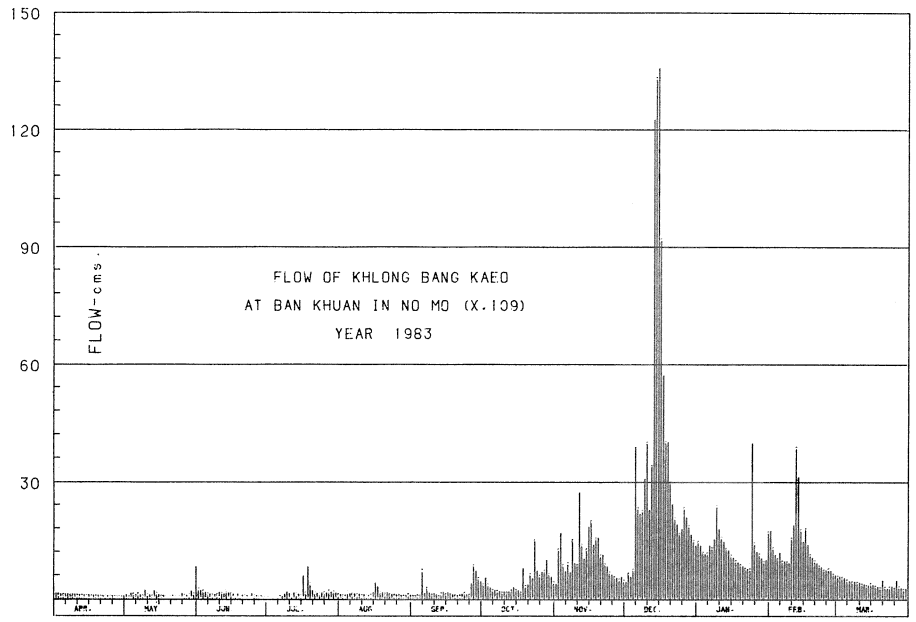
KHLONG BANG KAEO AT BAN KHUAN IN NO MO, PHATTHALUNG (X.109)

LOCATION	LAT. 7-20-36 N., LONG. 100-03-33 E., ON LEFT BANK AT BAN KHUAN IN NOMO, AMPHOE KHAO CHAI SON, PHATTHALUNG.
DRAINAGE AREA	133 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM	+0.00 M. (A.D.)
BENCH MARK	B.M.-H.D.
LOCATION	INFRONT OF THE HEALTH OFFICE.
ELEVATION	+8.495 M.(A.D.)
GAGE READING FREQUENCY	13-TIME DAILY READINGS AT 06.00-18.00 HOURS.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 13 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1979 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1979 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1979 TO DATE.
STABILITY OF CHANNEL REGIMES	STABLE.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW
GENERAL DESCRIPTION	RECORDS FAIR. STAGE-DISCHARGE RELATION DEFINED BY 231 DISCHARGE MEASUREMENTS MADE IN 1982.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.76	0.72	0.88	0.67	0.73	0.70	0.98	0.97	1.01	1.67	1.80	1.13	
2	0.75	0.68	0.83	0.67	0.73	0.70	1.09	1.57	1.18	1.61	1.59	1.12	
3	0.74	0.76	0.83	0.68	0.72	0.72	0.97	1.77	1.11	1.53	1.49	1.11	
4	0.74	0.75	0.78	0.67	0.82	0.72	0.90	1.33	1.25	1.50	1.43	1.09	
5	0.74	0.72	0.76	0.71	0.75	1.25	0.86	1.21	2.68	1.52	1.52	1.06	
6	0.73	0.76	0.74	0.70	0.76	0.76	0.84	1.36	2.08	1.61	1.39	1.03	
7	0.73	0.71	0.73	0.77	0.75	0.91	0.83	1.19	2.01	1.59	1.38	1.02	
8	0.73	0.70	0.73	0.74	0.75	0.77	0.81	1.69	2.05	1.69	1.38	1.02	
9	0.73	0.83	0.74	0.89	0.74	0.74	0.79	1.35	2.37	2.10	1.35	1.01	
10	0.72	0.73	0.78	0.75	0.72	0.76	0.80	1.33	2.87	1.82	1.71	1.00	
11	0.72	0.71	0.77	0.73	0.73	0.72	0.79	2.23	2.05	1.72	1.87	0.98	
12	0.72	0.70	0.74	0.77	0.72	0.71	0.80	1.63	2.51	1.66	2.68	0.97	
13	0.71	0.82	0.85	0.76	0.71	0.77	0.84	1.42	5.22	1.58	2.39	0.95	
14	0.71	0.77	0.77	0.74	0.73	0.79	0.91	1.57	5.36	1.55	1.82	0.95	
15	0.71	0.72	0.76	0.72	0.78	0.75	0.86	1.85	5.39	1.49	1.66	0.99	
16	0.70	0.70	0.74	1.13	1.03	0.78	0.83	1.93	4.76	1.44	1.83	0.96	
17	0.70	0.70	0.73	0.78	0.92	0.75	0.79	1.62	3.97	1.40	1.62	0.94	
18	0.70	0.69	0.74	1.29	0.81	0.73	1.26	1.71	2.91	1.36	1.50	0.92	
19	0.70	0.68	0.72	1.00	0.78	0.72	0.94	1.71	2.86	1.33	1.44	0.91	
20	0.69	0.68	0.71	0.83	0.76	0.71	0.96	1.49	2.34	1.30	1.40	1.04	
21	0.69	0.70	0.70	0.79	0.78	0.72	1.17	1.49	2.11	1.27	1.35	0.92	
22	0.69	0.69	0.70	0.76	0.75	0.74	1.08	1.34	1.97	1.25	1.31	0.88	
23	0.69	0.68	0.69	0.77	0.74	0.78	1.69	1.29	1.88	1.26	1.28	0.92	
24	0.69	0.68	0.75	0.77	0.73	0.73	1.22	1.20	1.77	2.78	1.24	0.93	
25	0.69	0.75	0.72	0.79	0.72	0.74	1.14	1.15	1.82	1.65	1.23	0.90	
26	0.68	0.72	0.70	0.77	0.73	0.98	1.30	1.12	2.08	1.53	1.26	1.04	
27	0.68	0.70	0.69	0.84	0.71	1.32	1.23	1.09	1.97	1.51	1.22	0.93	
28	0.68	0.73	0.70	0.79	0.71	1.22	1.40	1.07	1.87	1.43	1.17	0.89	
29	0.68	0.81	0.68	0.81	0.71	1.10	1.17	1.11	1.75	1.38	1.14	0.87	
30	0.78	0.76	0.68	0.77	0.75	1.02	1.11	1.05	1.68	1.40		0.88	
31		1.29		0.75	0.71		1.02		1.61	1.79		1.32	
MEAN	0.71	0.74	0.74	0.79	0.76	0.83	1.01	1.43	2.47	1.57	1.53	0.99	
MAX	0.78	1.29	0.88	1.29	1.03	1.32	1.69	2.23	5.39	2.78	2.68	1.32	5.39
MIN	0.68	0.68	0.68	0.67	0.71	0.70	0.79	0.97	1.01	1.25	1.14	0.87	0.67

ANNUAL MAX MOMENTARY GAGE HEIGHT 5.78 M (A.D), AT 14.00 HOURS, ON DEC 14, 1983
ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D), RIVER BED 0.45 M (A.D)
LEFT BANK ELEVATION 8.41 M (A.D)
RIGHT BANK ELEVATION 9.13 M (A.D), DRAINAGE AREA 133 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	1.60	1.20	2.80	0.70	1.30	1.00	4.04	3.91	4.43	14.90	17.50	6.02	
2	1.50	0.80	2.30	0.70	1.30	1.00	5.47	12.90	6.72	13.70	13.30	5.88	
3	1.40	1.60	2.30	0.80	1.20	1.20	3.91	16.90	5.74	12.10	11.35	5.74	
4	1.40	1.50	1.80	0.70	2.20	1.20	3.00	8.95	7.75	11.50	10.45	5.47	
5	1.40	1.20	1.60	1.10	1.50	7.75	2.60	7.15	38.94	11.90	11.90	5.08	
6	1.30	1.60	1.40	1.00	1.60	1.60	2.40	3.40	23.50	13.70	9.85	4.69	
7	1.30	1.10	1.30	1.70	1.50	3.13	2.30	6.86	21.75	13.30	9.70	4.56	
8	1.30	1.00	1.30	1.40	1.50	1.70	2.10	15.30	22.75	15.30	9.70	4.56	
9	1.30	2.30	1.40	2.90	1.40	1.40	1.90	9.25	30.75	24.00	9.25	4.43	
10	1.20	1.30	1.80	1.50	1.20	1.60	2.00	8.95	40.18	17.90	15.70	4.30	
11	1.20	1.10	1.70	1.30	1.30	1.20	1.90	27.25	22.75	15.90	18.90	4.04	
12	1.20	1.00	1.40	1.70	1.20	1.10	2.00	14.10	34.27	14.70	38.94	3.91	
13	1.10	2.20	2.50	1.60	1.10	1.70	2.40	10.30	122.50	13.10	31.25	3.65	
14	1.10	1.70	1.70	1.40	1.30	1.90	3.13	12.90	133.30	12.50	17.90	3.65	
15	1.10	1.20	1.60	1.20	1.80	1.50	2.60	18.50	135.70	11.35	14.70	4.17	
16	1.00	1.00	1.40	6.02	4.69	1.80	2.30	20.10	92.10	10.60	18.10	3.78	
17	1.00	1.00	1.30	1.80	3.26	1.50	1.90	13.90	57.10	10.00	13.90	3.52	
18	1.00	0.90	1.40	8.35	2.10	1.30	7.90	15.70	40.37	9.40	11.50	3.26	
19	1.00	0.80	1.20	4.30	1.80	1.20	3.52	15.70	40.14	8.95	10.60	3.13	
20	0.90	0.80	1.10	2.30	1.60	1.10	3.78	11.35	30.00	8.50	10.00	4.82	
21	0.90	1.00	1.00	1.90	1.80	1.20	6.58	11.35	24.25	8.05	9.25	3.26	
22	0.90	0.90	1.00	1.60	1.50	1.40	5.34	9.10	20.90	7.75	8.65	2.80	
23	0.90	0.80	0.90	1.70	1.40	1.80	15.30	8.35	19.10	7.90	8.20	3.26	
24	0.90	0.80	1.50	1.70	1.30	1.30	7.30	7.00	16.90	39.82	7.60	3.39	
25	0.90	1.50	1.20	1.90	1.20	1.40	6.16	6.30	17.90	14.50	7.45	3.00	
26	0.80	1.20	1.00	1.70	1.30	4.04	7.00	5.88	23.50	12.10	7.90	4.82	
27	0.80	1.00	0.90	2.40	1.10	8.80	7.45	5.47	20.90	11.70	7.30	3.39	
28	0.80	1.30	1.00	1.90	1.10	7.30	10.00	5.21	18.90	10.45	6.58	2.90	
29	0.80	2.10	0.80	2.10	1.10	5.60	6.58	5.74	16.50	9.70	6.16	2.70	
30	1.80	1.60	0.80	1.70	1.50	4.56	5.74	4.95	15.10	10.00		2.80	
31		8.35		1.50	1.10		4.56		13.70	17.30		8.80	
TOTAL	33.80	45.85	43.40	62.57	49.25	73.28	143.16	328.72	1118.39	412.57	373.58	129.78	2814.35 CMSDAY
MEAN	1.13	1.48	1.45	2.02	1.59	2.44	4.62	10.96	36.08	13.31	12.88	4.19	7.69 CMS
MAX	1.80	8.35	2.80	8.35	4.69	8.80	15.30	27.25	135.70	39.82	38.94	8.80	135.70 CMS
MIN	0.80	0.80	0.80	0.70	1.10	1.00	1.90	3.91	4.43	7.75	6.16	2.70	0.70 CMS
RUNOFF	2.920	3.961	3.750	5.406	4.255	6.331	12.369	28.401	96.629	35.646	32.277	11.213	243.160 MCM

MOMENTARY PEAK 171.10 CMS, AT 5.78 M (A.D), AT 14.00 HOURS, ON DEC 14, 1983

RUNOFF YIELD 57.82 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 1286.47 LITERS/SECOND/SQUARE KM

WATER YEAR 1983

SOUTHERN PENINSULA EAST COAST

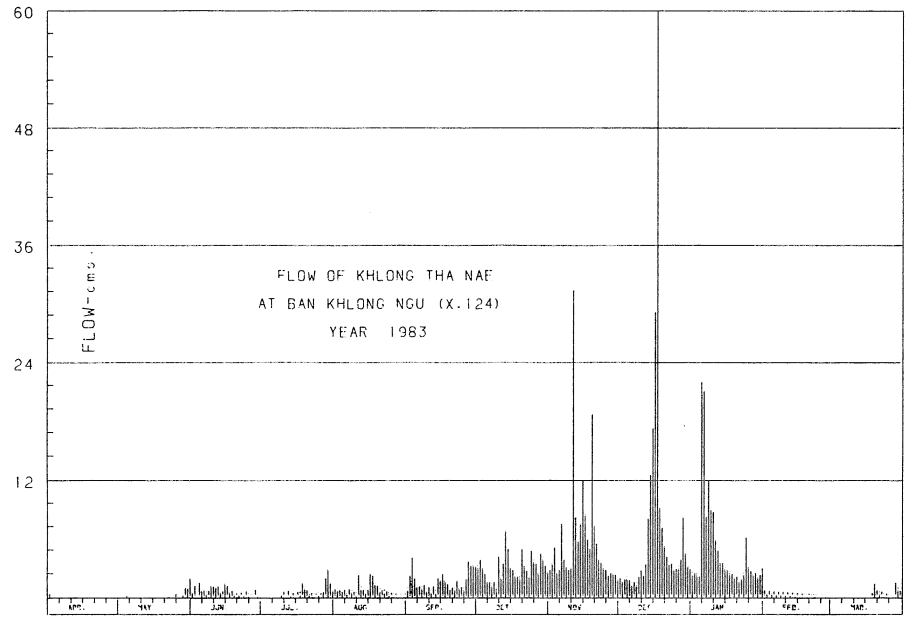
KHLONG THA NAE AT BAN PHLONG NGU, PHATTHALUNG (X.124)

LOCATION	LAT. 7°-53'-50" N., LONG. 99°-49'-29" N., ON LEFT BANK ABOUT 5 KILOMETERS DOWNSTREAM FROM PURPOSE DAMSITE, BAN PHLONG NGU, AMPHOE SI BANPHOT, PHATTHALUNG.
DRAINAGE AREA	90 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM	+0.00 M.(A.D.)
BENCH MARK	B.M.-H.D.
LOCATION	ON LEFT BANK ABOUT 35.60 METERS FROM THE GAGE SITE.
ELEVATION	+9.022 M.(A.D.)
GAGE READING FREQUENCY	5-TIME DAILY READINGS AT 06.00, 09.00, 12.00, 15.00 AND 18.00 HOURS.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 5 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1982 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1983 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1983 TO DATE.
STABILITY OF CHANNEL REGIMES	STABLE.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS GOOD. STAGE-DISCHARGE RELATION DEFINED BY 34 DISCHARGE MEASUREMENTS MADE IN 1983.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.49	0.40	0.59	0.48	0.60	0.63	0.87	0.83	0.74	0.81	0.58	0.46	
2	0.48	0.40	0.65	0.47	0.61	0.77	0.92	0.91	0.74	0.80	0.57	0.46	
3	0.46	0.38	0.48	0.49	0.58	0.95	0.87	1.00	0.73	0.80	0.57	0.46	
4	0.48	0.47	0.69	0.46	0.61	0.74	0.79	0.83	0.76	0.76	0.56	0.45	
5	0.46	0.45	0.62	0.47	0.59	0.66	0.74	0.83	0.72	1.60	0.56	0.45	
6	0.46	0.45	0.58	0.46	0.56	0.64	0.70	1.13	0.70	1.57	0.56	0.45	
7	0.45	0.40	0.56	0.45	0.60	0.64	0.68	0.92	0.70	1.16	0.55	0.45	
8	0.44	0.39	0.57	0.45	0.58	0.66	0.70	0.89	0.69	1.30	0.55	0.45	
9	0.43	0.39	0.69	0.53	0.55	0.61	0.66	0.83	0.76	1.19	0.55	0.45	
10	0.47	0.39	0.64	0.55	0.53	0.63	0.94	0.88	0.86	1.17	0.55	0.46	
11	0.42	0.38	0.66	0.50	0.78	0.59	0.77	1.80	0.77	1.05	0.54	0.47	
12	0.41	0.37	0.64	0.57	0.64	0.64	0.89	1.16	0.91	0.98	0.54	0.43	
13	0.41	0.47	0.59	0.53	0.59	0.58	1.10	1.03	1.14	0.92	0.53	0.43	
14	0.41	0.50	0.56	0.52	0.58	0.74	0.99	1.13	1.33	0.90	0.53	0.43	
15	0.40	0.44	0.71	0.51	0.59	0.75	0.88	1.30	1.47	0.86	0.52	0.43	
16	0.40	0.42	0.65	0.55	0.82	0.79	0.83	1.17	1.76	0.83	0.52	0.43	
17	0.39	0.42	0.59	0.55	0.77	0.74	0.79	1.04	2.32	0.82	0.51	0.42	
18	0.39	0.39	0.57	0.68	0.69	0.67	0.76	1.01	1.20	0.79	0.51	0.52	
19	0.38	0.40	0.55	0.65	0.65	0.64	0.76	1.51	1.10	0.78	0.50	0.72	
20	0.38	0.39	0.52	0.58	0.61	0.62	0.99	1.12	1.02	0.76	0.50	0.58	
21	0.37	0.45	0.55	0.55	0.59	0.63	0.89	1.02	0.94	0.74	0.50	0.55	
22	0.37	0.39	0.53	0.52	0.59	0.71	0.82	0.94	0.91	0.73	0.49	0.55	
23	0.37	0.36	0.54	0.52	0.56	0.65	0.79	0.90	0.89	0.80	0.49	0.52	
24	0.37	0.39	0.56	0.51	0.54	0.63	0.98	0.87	0.86	1.05	0.49	0.51	
25	0.37	0.50	0.53	0.54	0.53	0.62	0.92	0.83	0.84	0.88	0.48	0.49	
26	0.37	0.43	0.50	0.52	0.52	0.73	0.89	0.81	0.87	0.82	0.48	0.47	
27	0.36	0.44	0.49	0.61	0.51	0.93	0.82	0.80	0.92	0.81	0.48	0.51	
28	0.35	0.55	0.59	0.74	0.51	0.87	0.96	0.82	1.16	0.80	0.48	0.69	
29	0.35	0.62	0.52	0.86	0.50	0.90	0.94	0.78	0.96	0.78	0.48	0.62	
30	0.36	0.65	0.50	0.68	0.51	0.86	0.87	0.76	0.89	0.78		0.57	
31		0.74		0.62	0.51		0.84		0.84	0.88		0.51	
MEAN	0.41	0.45	0.58	0.55	0.59	0.71	0.85	1.00	0.98	0.93	0.52	0.50	
MAX	0.49	0.74	0.71	0.86	0.82	0.95	1.10	1.80	2.32	1.60	0.58	0.72	2.32
MIN	0.35	0.36	0.48	0.45	0.50	0.58	0.66	0.76	0.69	0.73	0.48	0.42	0.35

ANNUAL MAX MOMENTARY GAGE HEIGHT 2.32 M (A.D), AT 17.00 HOURS, ON DEC 18, 1983
ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D), RIVER BED -0.37 M (A.D)
LEFT BANK ELEVATION 4.68 M (A.D)
RIGHT BANK ELEVATION 4.77 M (A.D), DRAINAGE AREA 90 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.32	0.05	0.80	0.29	0.85	1.07	3.24	2.81	1.96	2.61	0.75	0.23	
2	0.29	0.05	1.22	0.26	0.93	2.23	3.86	3.71	1.96	2.50	0.70	0.23	
3	0.23	0.03	0.29	0.32	0.75	4.32	3.24	5.10	1.87	2.50	0.70	0.23	
4	0.29	0.26	1.53	0.23	0.93	1.96	2.41	2.81	2.14	2.14	0.65	0.20	
5	0.23	0.20	1.00	0.26	0.80	1.30	1.96	2.81	1.78	22.20	0.65	0.20	
6	0.23	0.20	0.75	0.23	0.65	1.15	1.60	7.79	1.60	21.03	0.65	0.20	
7	0.20	0.05	0.65	0.20	0.85	1.15	1.45	3.86	1.60	8.48	0.60	0.20	
8	0.17	0.04	0.70	0.20	0.75	1.30	1.60	3.45	1.53	11.90	0.60	0.20	
9	0.14	0.04	1.53	0.50	0.60	0.93	1.30	2.81	2.14	9.17	0.60	0.20	
10	0.26	0.04	1.15	0.60	0.50	1.07	4.17	3.34	3.13	8.71	0.60	0.23	
11	0.11	0.03	1.30	0.35	2.32	0.80	2.23	31.40	2.23	6.10	0.55	0.26	
12	0.08	0.02	1.15	0.70	1.15	1.15	3.45	8.48	3.71	4.79	0.55	0.14	
13	0.08	0.26	0.80	0.50	0.80	0.75	7.10	5.70	8.02	3.86	0.50	0.14	
14	0.08	0.35	0.65	0.45	0.75	1.96	4.95	7.79	12.80	3.55	0.50	0.14	
15	0.05	0.17	1.69	0.40	0.80	2.05	3.34	11.90	17.28	3.13	0.45	0.14	
16	0.05	0.11	1.22	0.60	2.71	2.41	2.81	8.71	29.36	2.81	0.45	0.14	
17	0.04	0.11	0.80	0.60	2.23	1.96	2.41	5.90	66.40	2.71	0.40	0.11	
18	0.04	0.04	0.70	1.45	1.53	1.38	2.14	5.30	9.40	2.41	0.40	0.45	
19	0.03	0.05	0.60	1.22	1.22	1.15	2.14	18.69	7.10	2.32	0.35	1.78	
20	0.03	0.04	0.45	0.75	0.93	1.00	4.95	7.56	5.50	2.14	0.35	0.75	
21	0.02	0.20	0.60	0.60	0.80	1.07	3.45	5.50	4.17	1.96	0.35	0.60	
22	0.02	0.04	0.50	0.45	0.80	1.69	2.71	4.17	3.71	1.87	0.32	0.60	
23	0.02	0.01	0.55	0.45	0.65	1.22	2.41	3.55	3.45	2.50	0.32	0.45	
24	0.02	0.04	0.65	0.40	0.55	1.07	4.79	3.24	3.13	6.10	0.32	0.40	
25	0.02	0.35	0.50	0.55	0.50	1.00	3.86	2.81	2.92	3.34	0.29	0.32	
26	0.02	0.14	0.35	0.45	0.45	1.87	3.45	2.61	3.24	2.71	0.29	0.26	
27	0.01	0.17	0.32	0.93	0.40	4.02	2.71	2.50	3.86	2.61	0.29	0.40	
28	0.00	0.60	0.80	1.96	0.40	3.24	4.48	2.71	8.48	2.50	0.29	1.53	
29	0.00	1.00	0.45	3.13	0.35	3.55	4.17	2.32	4.48	2.32	0.29	1.00	
30	0.01	1.22	0.35	1.45	0.40	3.13	3.24	2.14	3.45	2.32		0.70	
31		1.96		1.00	0.40		2.92		2.92	3.34		0.40	
TOTAL	3.09	7.87	24.05	21.48	27.75	52.95	98.54	181.47	225.32	156.63	13.76	12.83	825.74 CMSDAY
MEAN	0.10	0.25	0.80	0.69	0.90	1.76	3.18	6.05	7.27	5.05	0.47	0.41	2.26 CMS
MAX	0.32	1.96	1.69	3.13	2.71	4.32	7.10	31.40	66.40	22.20	0.75	1.78	66.40 CMS
MIN	0.00	0.01	0.29	0.20	0.35	0.75	1.30	2.14	1.53	1.87	0.29	0.11	0.00 CMS
RUNOFF	0.267	0.680	2.078	1.856	2.398	4.575	8.514	15.679	19.468	13.533	1.189	1.109	71.344 MCM

MOMENTARY PEAK 66.40 CMS, AT 2.32 M (A.D), AT 17.00 HOURS, ON DEC 18, 1983

RUNOFF YIELD 25.07 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 737.78 LITERS/SECOND/SQUARE KM

WATER YEAR 1983

SOUTHERN PENINSULA EAST COAST

KHLONG THA MA DUA AT BAN KHLONG AI TO, PHATTHALUNG (X.129)

LOCATION — LAT. 7°-23'-19" N., LONG. 100°-06'-44" N., ON RIGHT BANK NEAR WAT BAN AI TO, BAN KHLONG AI TO, AMPHOE KHAO CHAI SON, PHATTHALUNG.

DRAINAGE AREA — 332 SQ.KM.

TYPE OF GAGE — STAFF GAGE.

ZERO GAGE AT BOTTOM — +13.30 M.(M.S.L.)

BENCH MARK — B.M.-H.D.

LOCATION — ON RIGHT BANK ABOUT 30 METERS FROM THE TOP OF STAFF GAGE.

ELEVATION — +20.510 M.(M.S.L.)

GAGE READING FREQUENCY — 5-TIME DAILY READINGS AT 06.00, 09.00, 12.00, 15.00 AND 18.00 HOURS.

BASIS OF MEAN DAILY GAGE HEIGHT — ARITHMETIC MEAN OF 5 READINGS.

PERIOD OF AVAILABLE GAGE RECORDS — 1982 TO DATE.

RATING OPERATION

PERIOD OF RATING — 1983 TO DATE.

RATED BY FLOAT — -

RATED BY CURRENT METER — 1983 TO DATE.

STABILITY OF CHANNEL REGIMES — STABLE.

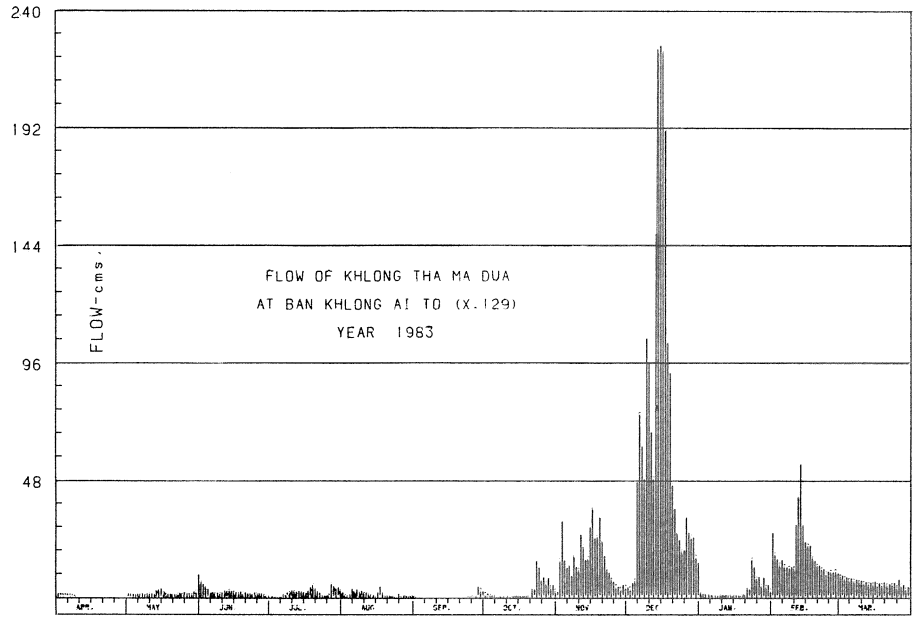
OVERBANK FLOW CONDITIONS — NO OVERBANK FLOW.

GENERAL DESCRIPTION — RECORDS GOOD. STAGE-DISCHARGE RELATION DEFINED BY 34 DISCHARGE MEASUREMENTS MADE IN 1983.

GAGE HEIGHT IN METER (MSL), WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	13.80	13.81	14.29	13.63	13.89	13.65	13.89	13.91	14.07	13.89	15.49	14.48	
2	13.80	13.77	14.20	13.63	13.75	13.66	13.80	14.91	14.10	13.79	15.05	14.45	
3	13.78	13.73	14.09	13.63	13.70	13.66	13.80	15.67	14.23	13.82	14.89	14.43	
4	13.77	13.74	14.01	13.68	13.96	13.66	13.70	14.94	14.36	13.70	14.80	14.40	
5	13.76	13.75	13.94	13.67	14.02	13.65	13.67	14.66	16.31	13.67	14.87	14.37	
6	13.75	13.77	13.89	13.63	14.01	13.64	13.66	14.80	17.26	13.66	14.76	14.37	
7	13.72	13.80	13.86	13.62	14.00	13.64	13.66	14.44	16.82	13.66	14.68	14.35	
8	13.64	13.74	13.86	13.88	13.90	13.63	13.66	15.02	16.41	13.66	14.71	14.33	
9	13.62	13.79	13.86	13.93	13.95	13.63	13.65	14.69	18.08	13.65	14.68	14.31	
10	13.61	13.83	13.87	13.96	13.90	13.63	13.65	14.66	17.86	13.65	14.70	14.30	
11	13.60	13.78	13.94	13.96	13.88	13.62	13.69	15.42	17.01	13.65	15.62	14.28	
12	13.60	13.75	13.94	13.91	13.85	13.63	13.65	15.21	16.40	13.65	16.11	14.26	
13	13.60	13.94	14.00	13.93	13.74	13.63	13.65	14.87	19.06	13.65	16.58	14.25	
14	13.60	14.06	13.94	13.92	13.69	13.63	13.65	14.96	20.55	13.65	15.65	14.24	
15	13.60	14.02	13.93	13.88	13.68	13.63	13.65	15.58	20.58	13.65	15.26	14.24	
16	13.60	13.92	13.90	13.85	14.02	13.63	13.65	15.90	20.54	13.65	15.23	14.27	
17	13.60	13.85	13.87	13.93	14.10	13.63	13.65	15.34	19.90	13.65	15.19	14.23	
18	13.60	13.80	13.92	14.08	13.93	13.63	13.66	15.41	18.06	13.66	14.97	14.22	
19	13.60	13.77	13.90	14.21	13.71	13.63	13.75	15.73	17.71	13.75	14.85	14.21	
20	13.60	13.75	13.88	14.03	13.69	13.63	13.67	15.32	16.30	13.67	14.77	14.25	
21	13.60	13.74	13.83	13.93	13.67	13.63	14.14	14.97	15.88	14.14	14.73	14.21	
22	13.59	13.83	13.81	13.86	13.67	13.63	13.99	14.69	15.54	13.99	14.68	14.19	
23	13.59	13.85	13.81	13.73	13.69	13.63	14.93	14.53	15.30	14.93	14.63	14.22	
24	13.59	13.81	13.87	13.66	13.79	13.63	14.67	14.38	15.11	14.68	14.57	14.23	
25	13.59	13.88	13.87	13.64	13.78	13.65	14.38	14.27	15.09	14.41	14.56	14.15	
26	13.59	13.82	13.83	13.80	13.77	13.65	14.40	14.18	15.79	14.41	14.60	14.33	
27	13.60	13.81	13.79	14.25	13.68	13.82	14.28	14.10	15.50	14.20	14.54	14.21	
28	13.60	13.82	13.76	14.12	13.67	14.10	14.38	14.08	15.42	14.39	14.62	14.16	
29	13.60	13.91	13.68	14.16	13.66	14.05	14.15	14.16	15.36	14.16	14.51	14.06	
30	13.59	13.96	13.64	14.07	13.66	13.92	14.16	14.16	15.00	14.16		14.08	
31		14.48		14.01	13.66		14.02		14.80	14.02		14.08	
MEAN	13.64	13.85	13.90	13.88	13.81	13.68	13.91	14.83	16.59	13.91	14.98	14.26	
MAX	13.80	14.48	14.29	14.25	14.10	14.10	14.93	15.90	20.58	14.93	16.58	14.48	20.58
MIN	13.59	13.73	13.64	13.62	13.66	13.62	13.65	13.91	14.07	13.65	14.51	14.06	13.59

ANNUAL MAX MOMENTARY GAGE HEIGHT 20.60 M (MSL), AT 6.00 HOURS, ON DEC 15, 1983
ZERO GAGE AT BOTTOM ELEVATION 13.30 M (MSL), RIVER BED 13.21 M (MSL)
LEFT BANK ELEVATION 22.52 M (MSL)
RIGHT BANK ELEVATION 22.66 M (MSL), DRAINAGE AREA 332 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	1.70	1.77	6.87	0.85	2.33	0.95	2.33	2.51	4.27	2.33	26.49	9.52	
2	1.70	1.55	5.70	0.85	1.45	1.00	1.70	16.07	4.60	1.65	18.55	9.10	
3	1.60	1.35	4.49	0.85	1.20	1.00	1.70	31.19	6.09	1.84	15.74	8.82	
4	1.55	1.40	3.61	1.10	3.06	1.00	1.20	16.58	7.84	1.20	14.30	8.40	
5	1.50	1.45	2.84	1.05	3.72	0.95	1.05	12.20	47.26	1.05	15.42	7.98	
6	1.45	1.55	2.33	0.85	3.61	0.90	1.00	14.30	75.74	1.00	13.70	7.98	
7	1.30	1.70	2.12	0.80	3.50	0.90	1.00	8.96	61.80	1.00	12.50	7.70	
8	0.90	1.40	2.12	2.26	2.40	0.85	1.00	17.98	49.88	1.00	12.95	7.42	
9	0.80	1.65	2.12	2.73	2.95	0.85	0.95	12.65	105.98	0.95	12.50	7.14	
10	0.75	1.91	2.19	3.06	2.40	0.85	0.95	12.20	97.38	0.95	12.80	7.00	
11	0.70	1.60	2.84	3.06	2.26	0.80	1.15	25.72	67.62	0.95	29.84	6.74	
12	0.70	1.45	2.84	2.51	2.05	0.85	0.95	21.70	49.60	0.95	42.15	6.48	
13	0.70	2.84	3.50	2.73	1.40	0.85	0.95	15.42	148.70	0.95	54.64	6.35	
14	0.70	4.16	2.84	2.62	1.15	0.85	0.95	16.92	223.95	0.95	30.65	6.22	
15	0.70	3.72	2.73	2.26	1.10	0.85	0.95	28.76	225.48	0.95	22.70	6.22	
16	0.70	2.62	2.40	2.05	3.72	0.85	0.95	36.90	223.44	0.95	22.10	6.61	
17	0.70	2.05	2.19	2.73	4.60	0.85	0.95	24.30	190.75	0.95	21.30	6.09	
18	0.70	1.70	2.62	4.38	2.73	0.85	1.00	25.61	105.16	1.00	17.09	5.96	
19	0.70	1.55	2.40	5.83	1.25	0.85	1.45	32.72	91.77	1.45	15.10	5.83	
20	0.70	1.45	2.26	3.83	1.15	0.85	1.05	23.90	47.00	1.05	13.85	6.35	
21	0.70	1.40	1.91	2.73	1.05	0.85	5.04	17.09	36.40	5.04	13.25	5.83	
22	0.66	1.91	1.77	2.12	1.05	0.85	3.39	12.65	27.68	3.39	12.50	5.59	
23	0.66	2.05	1.77	1.35	1.15	0.85	16.41	10.25	23.50	16.41	11.75	5.96	
24	0.66	1.77	2.19	1.00	1.65	0.85	12.35	8.12	19.70	12.50	10.85	6.09	
25	0.66	2.26	2.19	0.90	1.60	0.95	8.12	6.61	19.31	8.54	10.70	5.15	
26	0.66	1.84	1.91	1.70	1.55	0.95	8.40	5.48	34.16	8.54	11.30	7.42	
27	0.70	1.77	1.65	6.35	1.10	1.84	6.74	4.60	26.60	5.70	10.40	5.83	
28	0.70	1.84	1.50	4.82	1.05	4.60	8.12	4.38	25.72	8.26	11.60	5.26	
29	0.70	2.51	1.10	5.26	1.00	4.05	5.15	5.26	24.70	5.26	9.95	4.16	
30	0.66	3.06	0.90	4.27	1.00	2.62	5.26	5.26	17.60	5.26		4.38	
31		9.52		3.61	1.00		3.72		14.30	3.72		4.38	
TOTAL	27.01	68.80	77.90	80.51	61.23	36.11	105.93	476.29	2103.98	105.74	526.67	203.96	3874.13 CMSDAY
MEAN	0.90	2.22	2.60	2.60	1.98	1.20	3.42	15.88	67.87	3.41	18.16	6.58	10.59 CMS
MAX	1.70	9.52	6.87	6.35	4.60	4.60	16.41	36.90	225.48	16.41	54.64	9.52	225.48 CMS
MIN	0.66	1.35	0.90	0.80	1.00	0.80	0.95	2.51	4.27	0.95	9.95	4.16	0.66 CMS
RUNOFF	2.334	5.944	6.731	6.956	5.290	3.120	9.152	41.151	181.784	9.136	45.504	17.622	334.725 MCM

MOMENTARY PEAK 226.50 CMS, AT 20.60 M (MSL), AT 6.00 HOURS, ON DEC 15, 1983
RUNOFF YIELD 31.88 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 682.23 LITERS/SECOND/SQUARE KM

WATER YEAR 1983

SOUTHERN PENINSULA EAST COAST

KHLONG HAN AT BAN SAM YAEK KO THONG SOM, PHATTHALUNG (X.131)

LOCATION — LAT. 7°-24'-12" N., LONG. 100°-05'-42" E., ON LEFT BANK UPSTREAM SIDE OF THE BRIDGE OF PHATTHALUNG-HAT YAI HIGHWAY AT BAN SAM YAEK KO THONG SOM, AMPHOE KHAO CHAI SON, PHATTHALUNG.

DRAINAGE AREA — 9 SQ.KM.

TYPE OF GAGE — STAFF GAGE.

ZERO GAGE AT BOTTOM — +15.790 M.(M.S.L.)

BENCH MARK — B.M.-H.D.

LOCATION — ON LEFT BANK NEAR THE GAGE OBSERVER' S HOUSE.

ELEVATION — +23.713 M.(M.S.L.)

GAGE READING FREQUENCY — 5-TIME DAILY READINGS AT 06.00, 09.00, 12.00, 15.00 AND 18.00 HOURS.

BASIS OF MEAN DAILY GAGE HEIGHT — ARITHMETIC MEAN OF 5 READINGS.

PERIOD OF AVAILABLE GAGE RECORDS — 1983 TO DATE.

RATING OPERATION

PERIOD OF RATING — 1983 TO DATE.

RATED BY FLOAT — -

RATED BY CURRENT METER — 1983 TO DATE.

STABILITY OF CHANNEL REGIMES — FAIRLY STABLE.

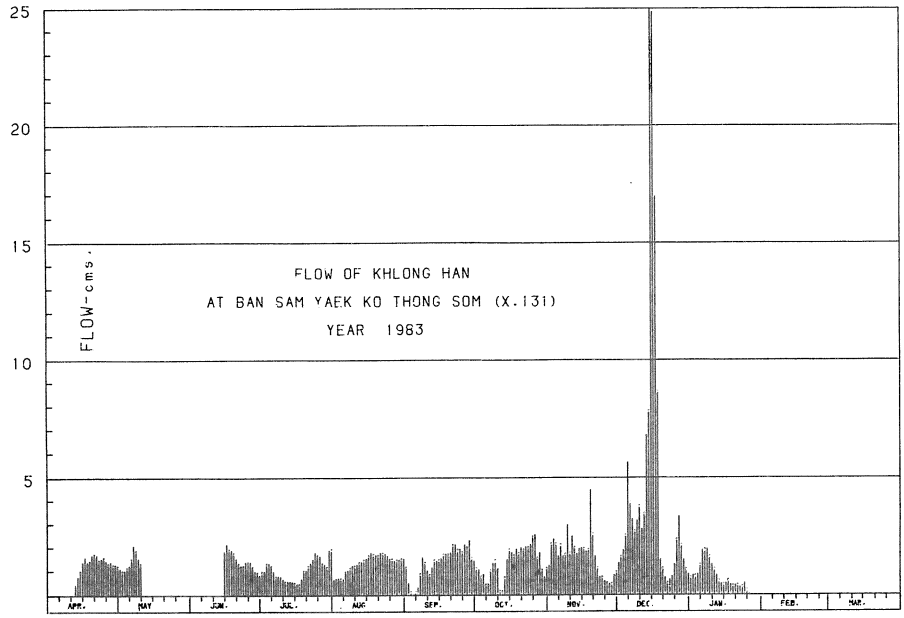
OVERBANK FLOW CONDITIONS — NO OVERBANK FLOW.

GENERAL DESCRIPTION — RECORDS POOR. STREAM GAGING BEGAN ON FEB.1, 1983. STAGE-DISCHARGE RELATION DEFINED BY 6 DISCHARGE MEASUREMENTS MADE IN 1983.

GAGE HEIGHT IN METER (MSL), WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	16.24	16.58	*******	16.55	16.45	16.60	16.59	16.61	16.63	16.49	16.19	15.95	
2	16.23	16.56	*******	16.55	16.46	16.40	16.57	16.80	16.69	16.51	16.13	15.94	
3	16.23	16.56	*******	16.63	16.47	16.29	16.50	16.83	16.74	16.51	16.12	15.94	
4	16.24	16.59	*******	16.63	16.47	16.27	16.52	16.80	16.86	16.52	16.10	15.94	
5	16.24	16.61	*******	16.61	16.46	16.29	16.39	16.69	17.26	16.62	16.09	15.96	
6	16.24	16.67	*******	16.55	16.55	16.34	16.39	16.79	17.07	16.74	16.07	15.97	
7	16.20	16.78	*******	16.50	16.56	16.53	16.57	16.69	16.97	16.75	16.05	15.97	
8	16.15	16.74	*******	16.50	16.59	16.68	16.63	16.71	16.89	16.75	16.04	15.97	
9	16.14	16.67	*******	16.49	16.61	16.64	16.66	16.93	16.96	16.69	16.02	15.97	
10	16.15	16.63	*******	16.46	16.61	16.56	16.58	16.72	17.05	16.62	16.09	15.97	
11	16.24	*******	*******	16.43	16.62	16.52	16.30	16.85	16.90	16.58	16.20	15.95	
12	16.38	*******	*******	16.43	16.64	16.59	16.30	16.77	17.01	16.51	16.19	15.94	
13	16.49	*******	*******	16.42	16.64	16.66	16.49	16.71	17.38	16.44	16.20	15.95	
14	16.56	*******	*******	16.42	16.66	16.65	16.66	16.75	17.47	16.39	16.12	15.96	
15	16.64	*******	16.73	16.41	16.67	16.66	16.75	16.76	18.57	16.39	16.09	15.99	
16	16.68	*******	16.79	16.39	16.70	16.67	16.72	16.76	18.56	16.40	16.19	16.00	
17	16.64	*******	16.75	16.39	16.72	16.71	16.70	16.73	18.12	16.45	16.24	16.02	
18	16.65	*******	16.74	16.46	16.71	16.71	16.75	16.75	17.54	16.38	16.19	16.02	
19	16.70	*******	16.72	16.56	16.70	16.71	16.72	17.13	16.66	16.37	16.20	16.02	
20	16.71	*******	16.67	16.56	16.70	16.72	16.76	16.87	16.59	16.37	16.11	16.02	
21	16.70	*******	16.63	16.61	16.72	16.79	16.75	16.69	16.48	16.38	16.08	16.04	
22	16.66	*******	16.61	16.63	16.72	16.79	16.77	16.59	16.41	16.34	15.99	16.04	
23	16.67	*******	16.61	16.66	16.71	16.75	16.77	16.49	16.45	16.36	16.05	16.05	
24	16.68	*******	16.64	16.72	16.69	16.75	16.79	16.49	16.49	16.40	15.99	16.07	
25	16.65	*******	16.64	16.70	16.67	16.73	16.85	16.43	16.62	16.31	15.98	16.07	
26	16.63	*******	16.64	16.69	16.67	16.79	16.86	16.41	16.83	16.27	15.97	16.07	
27	16.64	*******	16.60	16.63	16.65	16.77	16.68	16.39	16.99	16.23	15.96	16.04	
28	16.62	*******	16.55	16.62	16.66	16.82	16.72	16.40	16.79	16.20	15.97	16.01	
29	16.62	*******	16.54	16.60	16.66	16.68	16.57	16.51	16.66	16.16	15.96	15.93	
30	16.61	*******	16.51	16.74	16.67	16.65	16.49	16.55	16.58	16.16		15.89	
31		*******		16.75	16.67		16.59		16.52	16.20		15.93	
MEAN	16.47	*******	*******	16.56	16.63	16.62	16.63	16.69	16.99	16.44	16.09	15.99	
MAX	16.71	16.78	16.79	16.75	16.72	16.82	16.86	17.13	18.57	16.75	16.24	16.07	18.57
MIN	16.14	*******	*******	16.39	16.45	16.27	16.30	16.39	16.41	16.16	15.96	15.89	*******

ANNUAL MAX MOMENTARY GAGE HEIGHT 18.60 M (MSL), AT 6.00 HOURS, ON DEC 17, 1983
ZERO GAGE AT BOTTOM ELEVATION 15.79 M (MSL), RIVER BED 15.94 M (MSL)
LEFT BANK ELEVATION 20.87 M (MSL)
RIGHT BANK ELEVATION 20.59 M (MSL), DRAINAGE AREA 9 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.00	1.12	*******	1.00	0.65	1.20	1.16	1.25	1.35	0.77	0.00	0.00	
2	0.00	1.04	*******	1.00	0.68	0.50	1.08	2.20	1.65	0.84	0.00	0.00	
3	0.00	1.04	*******	1.35	0.71	0.16	0.80	2.38	1.90	0.84	0.00	0.00	
4	0.00	1.16	*******	1.35	0.71	0.08	0.88	2.20	2.56	0.88	0.00	0.00	
5	0.00	1.25	*******	1.25	0.68	0.16	0.47	1.65	5.64	1.30	0.00	0.00	
6	0.00	1.55	*******	1.00	1.00	0.32	0.47	2.15	3.96	1.90	0.00	0.00	
7	0.00	2.10	*******	0.80	1.04	0.92	1.08	1.65	3.22	1.95	0.00	0.00	
8	0.00	1.90	*******	0.80	1.16	1.60	1.35	1.75	2.74	1.95	0.00	0.00	
9	0.00	1.55	*******	0.77	1.25	1.40	1.50	2.98	3.16	1.65	0.00	0.00	
10	0.00	1.35	*******	0.68	1.25	1.04	1.12	1.80	3.80	1.30	0.00	0.00	
11	0.00	*******	*******	0.59	1.30	0.88	0.20	2.50	2.80	1.12	0.00	0.00	
12	0.44	*******	*******	0.59	1.40	1.16	0.20	2.05	3.48	0.84	0.00	0.00	
13	0.77	*******	*******	0.56	1.40	1.50	0.77	1.75	6.80	0.62	0.00	0.00	
14	1.04	*******	*******	0.56	1.50	1.45	1.50	1.95	7.84	0.47	0.00	0.00	
15	1.40	*******	1.85	0.53	1.55	1.50	1.95	2.00	25.50	0.47	0.00	0.00	
16	1.60	*******	2.15	0.47	1.70	1.55	1.80	2.00	25.30	0.50	0.00	0.00	
17	1.40	*******	1.95	0.47	1.80	1.75	1.70	1.85	16.96	0.65	0.00	0.00	
18	1.45	*******	1.90	0.68	1.75	1.75	1.95	1.95	8.68	0.44	0.00	0.00	
19	1.70	*******	1.80	1.04	1.70	1.75	1.80	4.47	1.50	0.41	0.00	0.00	
20	1.75	*******	1.55	1.04	1.70	1.80	2.00	2.62	1.16	0.41	0.00	0.00	
21	1.70	*******	1.35	1.25	1.80	2.15	1.95	1.65	0.74	0.44	0.00	0.00	
22	1.50	*******	1.25	1.35	1.80	2.15	2.05	1.16	0.53	0.32	0.00	0.00	
23	1.55	*******	1.25	1.50	1.75	1.95	2.05	0.77	0.65	0.38	0.00	0.00	
24	1.60	*******	1.40	1.80	1.65	1.95	2.15	0.77	0.77	0.50	0.00	0.00	
25	1.45	*******	1.40	1.70	1.55	1.85	2.50	0.59	1.30	0.23	0.00	0.00	
26	1.35	*******	1.40	1.65	1.55	2.15	2.56	0.53	2.38	0.08	0.00	0.00	
27	1.40	*******	1.20	1.35	1.45	2.05	1.60	0.47	3.34	0.00	0.00	0.00	
28	1.30	*******	1.00	1.30	1.50	2.32	1.80	0.50	2.15	0.00	0.00	0.00	
29	1.30	*******	0.96	1.20	1.50	1.60	1.08	0.84	1.50	0.00	0.00	0.00	
30	1.25	*******	0.84	1.90	1.55	1.45	0.77	1.00	1.12	0.00		0.00	
31		*******		1.95	1.55		1.16		0.88	0.00		0.00	
TOTAL	25.95	*******	*******	33.48	42.58	42.09	43.45	51.43	145.36	21.26	0.00	0.00	******** CMSDAY
MEAN	0.86	*******	*******	1.08	1.37	1.40	1.40	1.71	4.69	0.69	0.00	0.00	******** CMS
MAX	1.75	2.10	2.15	1.95	1.80	2.32	2.56	4.47	25.50	1.95	0.00	0.00	25.50 CMS
MIN	0.00	*******	*******	0.47	0.65	0.08	0.20	0.47	0.53	0.00	0.00	0.00	******** CMS
RUNOFF	2.242	*******	*******	2.893	3.679	3.637	3.754	4.444	12.559	1.837	0.000	0.000	******** MCM

MOMENTARY PEAK 26.10 CMS, AT 18.60 M (MSL), AT 6.00 HOURS, ON DEC 17, 1983
RUNOFF YIELD ********* LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 2900.00 LITERS/SECOND/SQUARE KM

WATER YEAR 1983

SOUTHERN PENINSULA EAST COAST

KHLONG NA THOM AT BAN NA THOM, PHATTHALUNG (X.141)

LOCATION — LAT. 7°-35'-32" N., LONG. 100°-00'-44" E., ON RIGHT BANK DOWNSTREAM SIDE OF THE BRIDGE OF PHATTHALUNG-TRANG HIGHWAY AT BAN NA THOM, AMPHOE MUANG, PHATTHALUNG.

DRAINAGE AREA — FLOOD PLAIN.

TYPE OF GAGE — STAFF GAGE.

ZERO GAGE AT BOTTOM — +15.210 M.(M.S.L.)

BENCH MARK — B.M.-H.D.

LOCATION — ON RIGHT BANK ABOUT 5 METERS FROM THE TOP OF STAFF GAGE.

ELEVATION — +21.348 M.(M.S.L.)

GAGE READING FREQUENCY — 5-TIME DAILY READINGS AT 06.00, 09.00, 12.00, 15.00 AND 18.00 HOURS.

BASIS OF MEAN DAILY GAGE HEIGHT — ARITHMETIC MEAN OF 5 READINGS.

PERIOD OF AVAILABLE GAGE RECORDS — 1983 TO DATE.

RATING OPERATION

PERIOD OF RATING — 1983 TO DATE.

RATED BY FLOAT — -

RATED BY CURRENT METER — 1983 TO DATE.

STABILITY OF CHANNEL REGIMES — STABLE.

OVERBANK FLOW CONDITIONS — NO OVERBANK FLOW.

GENERAL DESCRIPTION — RECORDS FAIR. STREAM GAGING BEGAN ON APR.1, 1983 . FLOW REGULATED BY NA THOM WEIR. STAGE-DISCHARGE RELATION DEFINED BY 29 DISCHARGE MEASUREMENTS MADE IN 1983.

GAGE HEIGHT IN METER (MSL), WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

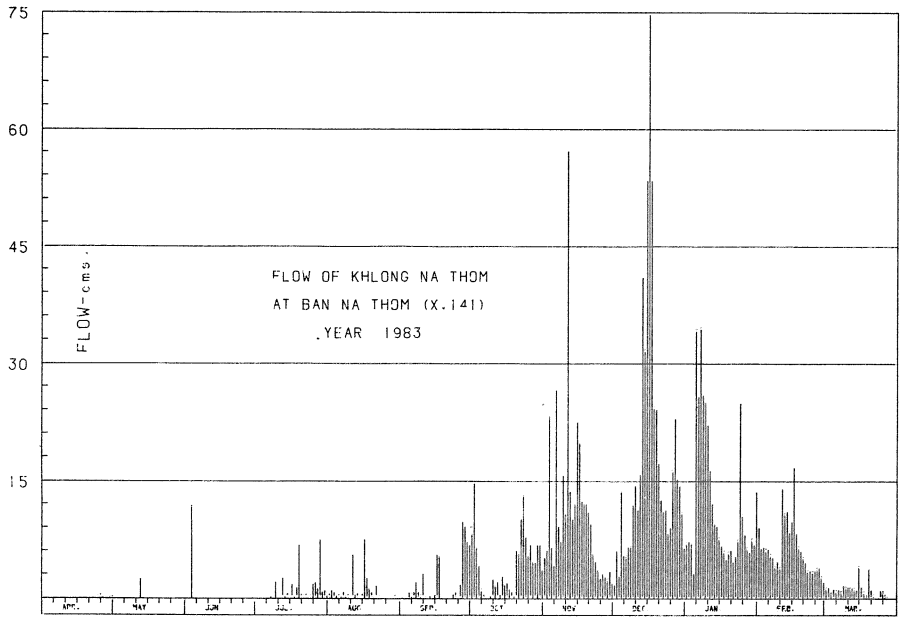
DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	15.72	15.77	15.68	15.66	15.87	15.69	16.67	16.43	16.08	16.58	16.70	16.04	
2	15.70	15.76	15.67	15.69	16.05	15.68	17.05	16.53	16.52	16.58	16.54	16.03	
3	15.68	15.78	16.89	15.65	15.91	15.68	16.55	17.51	16.22	16.59	16.53	15.91	
4	15.78	15.76	15.69	15.64	15.92	15.91	16.35	16.55	17.01	16.26	16.52	15.99	
5	15.75	15.75	15.67	15.64	15.85	15.89	16.01	16.35	16.45	18.02	16.51	15.97	
6	15.74	15.74	15.65	15.66	15.89	15.92	15.84	17.69	16.46	17.63	16.47	15.98	
7	15.73	15.74	15.65	15.88	15.92	16.19	15.82	16.71	16.53	18.03	16.43	15.95	
8	15.70	15.73	15.66	15.73	15.89	15.92	15.75	16.61	16.56	17.64	16.35	16.07	
9	15.71	15.71	15.65	16.17	15.85	15.85	15.87	17.11	16.88	17.61	16.39	16.05	
10	15.70	15.72	15.66	15.72	15.81	16.26	16.18	16.83	17.05	17.45	16.34	16.04	
11	15.71	15.72	15.67	15.78	16.46	15.75	16.12	18.87	16.84	17.16	17.01	16.03	
12	15.70	16.21	15.66	16.20	15.92	15.72	16.14	17.01	17.13	16.89	16.82	16.02	
13	15.71	15.76	15.67	15.90	15.88	15.86	15.94	16.77	18.29	16.75	16.83	16.03	
14	15.71	15.76	15.67	15.88	15.81	15.74	16.22	16.91	17.91	16.71	16.68	15.97	
15	15.71	15.71	15.66	15.84	15.86	15.90	16.14	17.47	18.74	16.62	16.75	16.35	
16	15.70	15.74	15.75	16.10	16.63	16.46	16.12	17.35	19.50	16.54	17.18	16.04	
17	15.70	15.73	15.74	15.89	16.20	16.47	16.08	16.91	18.74	16.50	16.65	15.94	
18	15.71	15.73	15.74	16.03	16.06	15.78	15.92	16.91	17.57	16.41	16.54	15.83	
19	15.70	15.73	15.71	16.58	15.91	15.80	15.91	16.89	17.55	16.49	16.49	16.35	
20	15.69	15.73	15.70	15.86	15.86	15.78	16.50	16.85	17.21	16.50	16.44	15.97	
21	15.68	15.72	15.69	15.84	16.07	15.78	16.49	16.73	16.92	16.41	16.38	15.86	
22	15.72	15.72	15.68	15.86	15.83	15.78	16.77	16.49	16.85	16.44	16.31	15.70	
23	15.78	15.71	15.65	15.84	15.72	15.94	16.98	16.39	16.84	16.60	16.30	15.70	
24	15.82	15.69	15.67	15.84	15.68	15.91	16.62	16.33	16.67	17.59	16.30	15.96	
25	15.85	15.68	15.67	16.16	15.66	15.78	16.48	16.19	16.70	16.81	16.30	15.95	
26	15.70	15.68	15.68	16.13	15.68	16.09	16.55	16.29	17.15	16.64	16.33	15.85	
27	15.70	15.68	15.65	16.07	15.68	16.77	16.41	16.21	17.49	16.53	16.33	15.79	
28	15.70	15.70	15.78	16.60	15.70	16.71	16.38	16.19	17.10	16.48	16.23	15.74	
29	15.76	15.69	15.67	16.01	15.83	16.60	16.58	16.29	17.03	16.61	16.13	15.74	
30	15.77	15.69	15.64	15.96	15.85	16.55	16.55	16.15	16.83	16.55		15.74	
31		15.68		15.92	15.79		16.33		16.52	17.01		16.05	
MEAN	15.72	15.74	15.72	15.93	15.90	16.01	16.30	16.78	17.14	16.86	16.51	15.96	
MAX	15.85	16.21	16.89	16.60	16.63	16.77	17.05	18.87	19.50	18.03	17.18	16.35	19.50
MIN	15.68	15.68	15.64	15.64	15.66	15.68	15.75	16.15	16.08	16.26	16.13	15.70	15.64

ANNUAL MAX MOMENTARY GAGE HEIGHT — 20.24 M (MSL), AT 18.00 HOURS, ON DEC 16, 1983

ZERO GAGE AT BOTTOM ELEVATION — 15.21 M (MSL), RIVER BED — 14.58 M (MSL)

LEFT BANK ELEVATION — 21.88 M (MSL)

RIGHT BANK ELEVATION — 21.84 M (MSL), DRAINAGE AREA — SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.14	0.24	0.08	0.06	0.58	0.09	8.55	5.19	1.68	7.22	9.00	1.44	
2	0.10	0.22	0.07	0.09	1.50	0.08	14.65	6.52	6.38	7.22	6.66	1.38	
3	0.08	0.26	12.04	0.05	0.75	0.08	6.80	23.30	2.78	7.36	6.52	0.75	
4	0.26	0.22	0.09	0.04	0.80	0.75	4.15	6.80	13.97	3.14	6.38	1.15	
5	0.20	0.20	0.07	0.04	0.50	0.66	1.26	4.15	5.45	34.38	6.24	1.05	
6	0.18	0.18	0.05	0.06	0.66	0.80	0.46	26.99	5.58	25.73	5.71	1.10	
7	0.16	0.18	0.05	0.62	0.80	2.52	0.38	9.16	6.52	34.62	5.19	0.95	
8	0.10	0.16	0.06	0.16	0.66	0.80	0.20	7.65	6.94	25.94	4.15	1.62	
9	0.12	0.12	0.05	2.36	0.50	0.50	0.58	15.68	11.88	25.31	4.67	1.50	
10	0.10	0.14	0.06	0.14	0.34	3.14	2.44	11.08	14.65	22.10	4.02	1.44	
11	0.12	0.14	0.07	0.26	5.58	0.20	1.96	57.13	11.24	16.58	13.97	1.38	
12	0.10	2.69	0.06	2.60	0.80	0.14	2.12	13.97	16.04	12.04	10.92	1.32	
13	0.12	0.22	0.07	0.70	0.62	0.54	0.90	10.12	40.95	9.80	11.08	1.38	
14	0.12	0.22	0.07	0.62	0.34	0.18	2.78	12.36	31.83	9.16	8.70	1.05	
15	0.12	0.12	0.06	0.46	0.54	0.70	2.12	22.50	53.36	7.80	9.80	4.15	
16	0.10	0.18	0.20	1.80	7.95	5.58	1.96	20.15	76.50	6.66	16.94	1.44	
17	0.10	0.16	0.18	0.66	2.60	5.71	1.68	12.36	53.36	6.10	8.25	0.90	
18	0.12	0.16	0.18	1.38	1.56	0.26	0.80	12.36	24.50	4.93	6.66	0.42	
19	0.10	0.16	0.12	7.22	0.75	0.30	0.75	12.04	24.10	5.97	5.97	4.15	
20	0.09	0.16	0.10	0.54	0.54	0.26	6.10	11.40	17.49	6.10	5.32	1.05	
21	0.08	0.14	0.09	0.46	1.62	0.26	5.97	9.48	12.52	4.93	4.54	0.54	
22	0.14	0.14	0.08	0.54	0.42	0.26	10.12	5.97	11.40	5.32	3.63	0.10	
23	0.26	0.12	0.05	0.46	0.14	0.90	13.48	4.67	11.24	7.50	3.50	0.10	
24	0.38	0.09	0.07	0.46	0.08	0.75	7.80	3.89	8.55	24.90	3.50	1.00	
25	0.50	0.08	0.07	2.28	0.06	0.26	5.84	2.52	9.00	10.76	3.50	0.95	
26	0.10	0.08	0.08	2.04	0.08	1.74	6.80	3.41	16.40	8.10	3.89	0.50	
27	0.10	0.08	0.05	1.62	0.08	10.12	4.93	2.69	22.90	6.52	3.89	0.28	
28	0.10	0.10	0.26	7.50	0.10	9.16	4.54	2.52	15.50	5.84	2.87	0.18	
29	0.22	0.09	0.07	1.26	0.42	7.50	7.22	3.41	14.31	7.65	2.04	0.18	
30	0.24	0.09	0.04	1.00	0.50	6.80	6.80	2.20	11.08	6.80		0.18	
31		0.08		0.80	0.28		3.89		6.38	13.97		1.50	
TOTAL	4.65	7.22	14.59	38.28	32.15	61.04	138.03	341.67	564.48	380.45	187.51	35.13	1805.20 CMSDAY
MEAN	0.15	0.23	0.49	1.23	1.04	2.03	4.45	11.39	18.21	12.27	6.47	1.13	4.93 CMS
MAX	0.50	2.69	12.04	7.50	7.95	10.12	14.65	57.13	76.50	34.62	16.94	4.15	76.50 CMS
MIN	0.08	0.08	0.04	0.04	0.06	0.08	0.20	2.20	1.68	3.14	2.04	0.10	0.04 CMS
RUNOFF	0.402	0.624	1.261	3.307	2.778	5.274	11.926	29.520	48.771	32.871	16.201	3.035	155.969 MCM

MOMENTARY PEAK 100.99 CMS, AT 20.24 M (MSL), AT 18.00 HOURS, ON DEC 16, 1983

RUNOFF YIELD 0.00 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 0.00 LITERS/SECOND/SQUARE KM

WATER YEAR 1983

SOUTHERN PENINSULA EAST COAST

KHLONG SALA YONG AT BAN PAK YANA, PHATTHALUNG (X.142)

LOCATION — LAT. 7°-31'-13" N., LONG. 100°-03'-34" E., ON RIGHT BANK UPSTREAM SIDE OF THE BRIDGE OF PHATTHALUNG-HAT YAI HIGHWAY AT BAN PAK YANA, AMPHOE MUANG, PHATTHALUNG.

DRAINAGE AREA — 22 SQ.KM.

TYPE OF GAGE — STAFF GAGE.

ZERO GAGE AT BOTTOM — +11.50 M.(M.S.L.)

BENCH MARK — B.M.-H.D.

LOCATION — ON RIGHT BANK ABOUT 100 METERS FROM THE GAGE SITE.

ELEVATION — +15.310 M.(M.S.L.)

GAGE READING FREQUENCY — 5-TIME DAILY READINGS AT 06.00, 09.00, 12.00, 15.00 AND 18.00 HOURS.

BASIS OF MEAN DAILY GAGE HEIGHT — ARITHMETIC MEAN OF 5 READINGS.

PERIOD OF AVAILABLE GAGE RECORDS — 1983 TO DATE.

RATING OPERATION

PERIOD OF RATING — 1983 TO DATE.

RATED BY FLOAT — -

RATED BY CURRENT METER — 1983 TO DATE.

STABILITY OF CHANNEL REGIMES — FAIRLY STABLE.

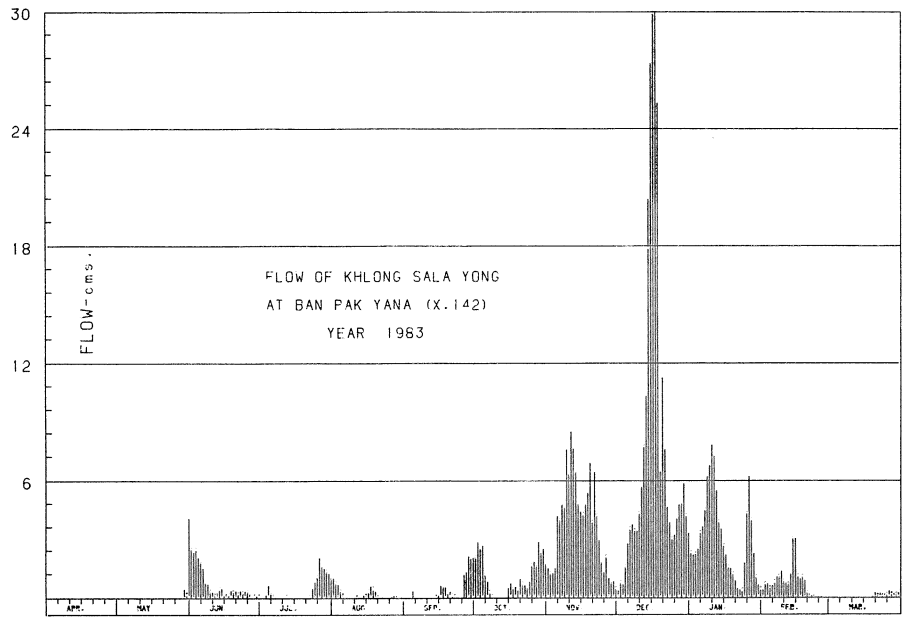
OVERBANK FLOW CONDITIONS — NO OVERBANK FLOW.

GENERAL DESCRIPTION — RECORDS POOR. STREAM GAGING BEGAN ON APR.1, 1983. STAGE-DISCHARGE RELATION DEFINED BY 3 DISCHARGE MEASUREMENTS MADE IN 1983.

GAGE HEIGHT IN METER (MSL), WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	12.80	12.66	14.02	13.28	13.70	13.00	13.97	13.86	13.38	14.00	13.40	13.20	
2	12.77	12.65	13.99	13.22	13.63	12.90	14.05	13.83	13.64	13.97	13.60	13.16	
3	12.78	12.66	14.02	13.37	13.54	12.90	14.03	13.81	13.54	13.99	13.56	13.08	
4	12.77	12.65	13.95	13.52	13.42	13.37	14.03	13.90	13.90	14.01	13.50	13.00	
5	12.77	12.65	13.94	13.39	13.33	13.30	13.82	14.18	14.04	14.11	13.51	12.96	
6	12.77	12.65	13.86	13.28	13.29	13.20	13.62	14.17	14.13	14.13	13.66	13.10	
7	12.76	12.66	13.66	13.25	13.17	13.21	13.40	14.22	14.14	14.21	13.73	13.00	
8	12.74	12.66	13.55	13.17	13.22	13.18	13.30	14.22	14.12	14.30	13.79	12.98	
9	12.72	12.66	13.42	13.21	13.22	13.16	13.28	14.36	14.11	14.33	13.83	12.94	
10	12.72	12.67	13.35	13.22	13.13	13.15	13.25	14.31	14.20	14.37	13.67	13.00	
11	12.76	12.67	13.32	13.22	13.23	13.12	13.23	14.40	14.27	14.35	13.57	12.90	
12	12.73	12.66	13.33	13.27	13.31	13.06	13.19	14.37	14.37	14.26	13.59	13.07	
13	12.75	12.67	13.49	13.26	13.21	13.01	13.23	14.31	14.47	14.16	13.80	13.09	
14	12.76	12.80	13.44	13.23	13.36	13.26	13.26	14.23	14.80	14.12	14.08	13.04	
15	12.72	13.00	13.35	13.24	13.32	13.36	13.54	14.20	14.98	14.04	14.07	13.10	
16	12.75	12.92	13.31	13.13	13.43	13.51	13.57	14.20	15.14	13.97	13.80	13.16	
17	12.72	12.96	13.35	12.99	13.50	13.55	13.53	14.22	15.16	13.89	13.68	13.13	
18	12.71	12.91	13.39	13.08	13.49	13.47	13.48	14.26	14.93	13.86	13.79	13.12	
19	12.71	12.93	13.40	13.07	13.37	13.40	13.48	14.33	14.31	13.82	13.64	13.23	
20	12.70	12.83	13.38	13.15	13.22	13.36	13.68	14.16	14.51	13.63	13.37	13.32	
21	12.69	12.84	13.35	13.25	13.24	13.33	13.61	14.31	14.36	13.50	13.27	13.30	
22	12.69	12.80	13.38	13.26	13.26	13.27	13.52	14.19	14.22	13.40	13.14	13.31	
23	12.67	12.82	13.38	13.53	13.19	13.11	13.54	14.06	14.15	13.44	13.20	13.28	
24	12.67	12.95	13.37	13.60	13.09	13.16	13.61	13.94	14.08	13.91	13.04	13.26	
25	12.67	12.96	13.40	13.80	13.13	13.01	13.91	13.82	14.09	14.20	13.12	13.32	
26	12.65	13.13	13.29	13.95	13.06	13.79	13.92	13.97	14.18	14.30	13.07	13.37	
27	12.66	13.12	13.29	13.90	13.19	13.86	13.91	13.70	14.22	14.17	13.03	13.34	
28	12.66	13.09	13.30	13.86	13.16	13.96	14.05	13.66	14.23	13.98	13.05	13.30	
29	12.66	13.42	13.34	13.85	13.17	13.97	14.00	13.62	14.28	13.78	13.07	13.33	
30	12.66	13.35	13.30	13.81	13.09	13.95	14.01	13.48	14.19	13.53		13.32	
31		14.17		13.77	13.09		13.92		14.10	13.48		13.56	
MEAN	12.72	12.89	13.50	13.39	13.28	13.33	13.64	14.08	14.27	13.97	13.50	13.17	
MAX	12.80	14.17	14.02	13.95	13.70	13.97	14.05	14.40	15.16	14.37	14.08	13.56	15.16
MIN	12.65	12.65	13.29	12.99	13.06	12.90	13.19	13.48	13.38	13.40	13.03	12.90	12.65

ANNUAL MAX MOMENTARY GAGE HEIGHT 15.18 M (MSL), AT 0.00 HOURS, ON DEC 17, 1983
ZERO GAGE AT BOTTOM ELEVATION 11.50 M (MSL), RIVER BED 10.25 M (MSL)
LEFT BANK ELEVATION 16.65 M (MSL)
RIGHT BANK ELEVATION 16.59 M (MSL), DRAINAGE AREA 22 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.00	0.00	2.58	0.18	1.00	0.00	2.19	1.50	0.36	2.40	0.40	0.12	
2	0.00	0.00	2.33	0.14	0.86	0.00	2.85	1.35	0.88	2.19	0.80	0.09	
3	0.00	0.00	2.58	0.34	0.68	0.00	2.67	1.25	0.68	2.33	0.72	0.04	
4	0.00	0.00	2.05	0.64	0.44	0.34	2.67	1.70	1.70	2.49	0.60	0.00	
5	0.00	0.00	1.98	0.38	0.26	0.20	1.30	4.18	2.76	3.41	0.62	0.00	
6	0.00	0.00	1.50	0.18	0.19	0.12	0.84	4.07	3.63	3.63	0.92	0.05	
7	0.00	0.00	0.92	0.16	0.10	0.13	0.40	4.76	3.74	4.58	1.06	0.00	
8	0.00	0.00	0.70	0.10	0.14	0.11	0.20	4.76	3.52	6.20	1.18	0.00	
9	0.00	0.00	0.44	0.13	0.14	0.09	0.18	7.58	3.41	6.89	1.35	0.00	
10	0.00	0.00	0.30	0.14	0.07	0.09	0.16	6.43	4.40	7.81	0.94	0.00	
11	0.00	0.00	0.24	0.14	0.15	0.06	0.15	8.50	5.66	7.35	0.74	0.00	
12	0.00	0.00	0.26	0.18	0.22	0.03	0.12	7.81	7.81	5.48	0.78	0.03	
13	0.00	0.00	0.58	0.17	0.13	0.01	0.15	6.43	10.32	3.96	1.20	0.04	
14	0.00	0.00	0.48	0.15	0.32	0.17	0.17	4.94	20.50	3.52	3.12	0.02	
15	0.00	0.00	0.30	0.15	0.24	0.32	0.68	4.40	27.34	2.76	3.03	0.05	
16	0.00	0.00	0.22	0.07	0.46	0.62	0.74	4.40	33.82	2.19	1.20	0.09	
17	0.00	0.00	0.30	0.00	0.60	0.70	0.66	4.76	34.68	1.65	0.96	0.07	
18	0.00	0.00	0.38	0.04	0.58	0.54	0.56	5.48	25.44	1.50	1.18	0.06	
19	0.00	0.00	0.40	0.03	0.34	0.40	0.56	6.89	6.43	1.30	0.88	0.15	
20	0.00	0.00	0.36	0.09	0.14	0.32	0.96	3.96	11.40	0.86	0.34	0.24	
21	0.00	0.00	0.30	0.16	0.15	0.26	0.82	6.43	7.58	0.60	0.18	0.20	
22	0.00	0.00	0.36	0.17	0.17	0.18	0.64	4.29	4.76	0.40	0.08	0.22	
23	0.00	0.00	0.36	0.66	0.12	0.06	0.68	2.94	3.85	0.48	0.12	0.18	
24	0.00	0.00	0.34	0.80	0.04	0.09	0.82	1.98	3.12	1.77	0.02	0.17	
25	0.00	0.00	0.40	1.20	0.07	0.01	1.77	1.30	3.21	4.40	0.06	0.24	
26	0.00	0.07	0.19	2.05	0.03	1.18	1.84	2.19	4.18	6.20	0.03	0.34	
27	0.00	0.06	0.19	1.70	0.12	1.50	1.77	1.00	4.76	4.07	0.01	0.28	
28	0.00	0.04	0.20	1.50	0.09	2.12	2.85	0.92	4.94	2.26	0.03	0.20	
29	0.00	0.44	0.28	1.45	0.10	2.19	2.40	0.84	5.84	1.16	0.03	0.26	
30	0.00	0.30	0.20	1.25	0.04	2.05	2.49	0.56	4.29	0.66		0.24	
31		4.07		1.14	0.04		1.84		3.30	0.56		0.72	
TOTAL	0.00	4.98	21.72	15.49	8.03	13.89	36.13	117.60	258.31	95.06	22.58	4.10	597.89 CMSDAY
MEAN	0.00	0.16	0.72	0.50	0.26	0.46	1.17	3.92	8.33	3.07	0.78	0.13	1.63 CMS
MAX	0.00	4.07	2.58	2.05	1.00	2.19	2.85	8.50	34.68	7.81	3.12	0.72	34.68 CMS
MIN	0.00	0.00	0.19	0.00	0.03	0.00	0.12	0.56	0.36	0.40	0.01	0.00	0.00 CMS
RUNOFF	0.000	0.430	1.877	1.338	0.694	1.200	3.122	10.161	22.318	8.213	1.951	0.354	51.658 MCM

MOMENTARY PEAK 35.54 CMS, AT 15.18 M (MSL), AT 0.00 HOURS, ON DEC 17, 1983
RUNOFF YIELD 74.25 LITERS/SECOND/SOUARE KM, MOMENTARY PEAK YIELD 1615.46 LITERS/SECOND/SOUARE KM

WATER YEAR 1983

SOUTHERN PENINSULA EAST COAST

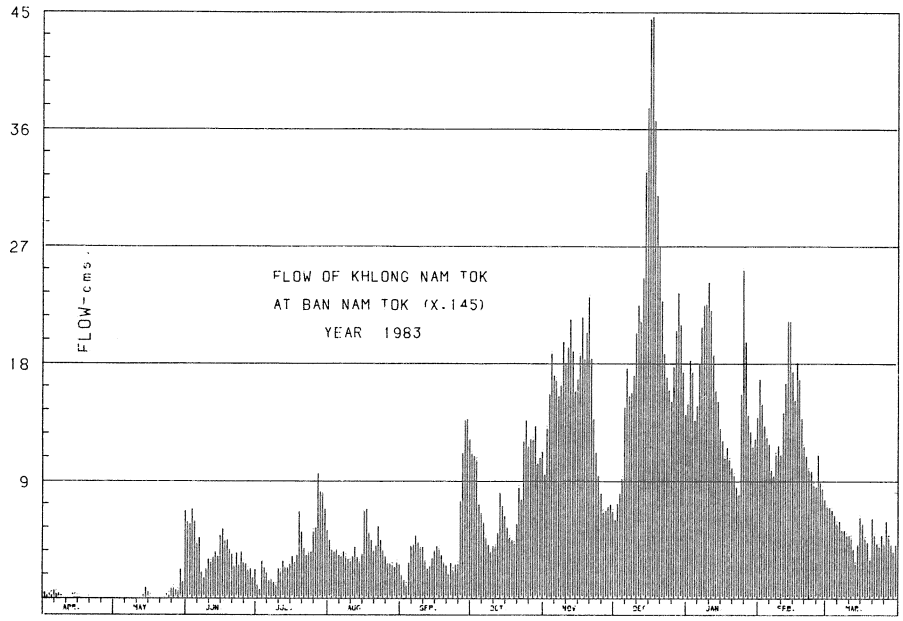
KHLONG NAM TOK AT BAN NAM TOK, PHATTHALUNG (X.145)

LOCATION	LAT. 7°-30'-34" N., LONG. 100°-03'-33" N., ON RIGHT BANK UPSTREAM SIDE OF THE BRIDGE AT BAN NAM TOK, AMPHOE MUANG, PHATTHALUNG.
DRAINAGE AREA	238 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM	+11.00 M.(M.S.L.)
BENCH MARK	B.M.-H.D.
LOCATION	ON RIGHT BANK NEAR THE GAGE OBSERVER' HOUSE.
ELEVATION	+15.078 M.(M.S.L.)
GAGE READING FREQUENCY	5-TIME DAILY READINGS AT 06.00, 09.00, 12.00, 15.00 AND 18.00 HOURS.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 5 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1983 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1983 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1983 TO DATE.
STABILITY OF CHANNEL REGIMES	FAIRLY STABLE.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS GOOD. STAGE-DISCHARGE RELATION DEFINED BY 34 DISCHARGE MEASUREMENTS MADE IN 1983.

GAGE HEIGHT IN METER (MSL), WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	11.54	11.35	12.41	11.76	12.24	11.91	12.83	12.69	12.40	13.10	13.22	12.50	
2	11.56	11.33	12.37	11.62	12.18	11.80	12.80	12.97	12.52	13.32	13.10	12.48	
3	11.50	11.32	12.49	12.08	12.14	11.76	12.79	13.14	12.57	13.27	12.97	12.48	
4	11.56	11.31	12.39	11.97	12.18	12.03	12.50	13.37	12.68	13.00	12.92	12.43	
5	11.60	11.31	12.23	11.94	12.11	12.21	12.46	13.24	13.07	13.09	12.87	12.39	
6	11.60	11.33	12.26	11.79	12.12	12.20	12.38	13.23	13.29	13.30	12.73	12.39	
7	11.51	11.35	11.95	11.86	12.14	12.30	12.28	13.13	13.13	13.51	12.68	12.34	
8	11.42	11.34	11.83	11.76	12.12	12.22	12.20	13.20	13.16	13.61	12.82	12.32	
9	11.41	11.36	11.99	11.75	12.07	12.20	12.16	13.42	13.24	13.63	12.86	12.30	
10	11.40	11.32	12.07	11.96	12.07	12.18	12.19	13.32	13.48	13.72	12.82	12.28	
11	11.40	11.32	12.06	11.95	12.10	12.08	12.20	13.39	13.61	13.60	13.04	12.28	
12	11.45	11.32	12.09	12.05	12.20	11.96	12.30	13.55	13.54	13.35	13.21	12.16	
13	11.50	11.44	12.16	12.01	12.09	12.03	12.59	13.37	13.74	13.17	13.53	12.04	
14	11.49	11.73	12.10	11.97	12.07	12.08	12.49	13.17	14.22	13.10	13.54	12.20	
15	11.44	11.56	12.30	12.04	12.12	12.17	12.44	13.22	14.47	12.97	13.26	12.43	
16	11.44	11.49	12.33	12.10	12.47	12.19	12.34	13.36	14.83	12.89	13.12	12.37	
17	11.42	11.43	12.26	12.06	12.47	12.19	12.28	13.55	14.83	12.80	13.31	12.27	
18	11.40	11.39	12.24	12.11	12.32	12.11	12.24	13.34	14.43	12.85	13.23	12.22	
19	11.40	11.38	12.19	12.47	12.24	12.06	12.23	13.47	14.11	12.79	13.01	12.09	
20	11.38	11.43	12.12	12.31	12.17	12.00	12.37	13.66	13.90	12.73	12.87	12.41	
21	11.34	11.41	12.02	12.19	12.19	11.93	12.62	13.33	13.63	12.70	12.80	12.30	
22	11.32	11.46	12.13	12.11	12.37	12.03	12.53	13.02	13.37	12.61	12.73	12.21	
23	11.32	11.48	12.03	12.16	12.24	11.97	12.90	12.82	13.23	12.58	12.71	12.21	
24	11.31	11.56	12.14	12.14	12.17	12.01	13.00	12.70	13.18	13.14	12.64	12.28	
25	11.31	11.65	12.06	12.33	12.10	12.04	12.87	12.57	13.10	13.79	12.61	12.23	
26	11.38	11.71	12.02	12.34	12.05	12.52	12.90	12.47	13.30	13.42	12.82	12.39	
27	11.34	11.61	11.98	12.71	12.02	12.83	12.91	12.46	13.48	13.04	12.64	12.28	
28	11.34	11.64	11.96	12.58	12.03	13.00	12.97	12.50	13.68	12.94	12.62	12.20	
29	11.34	11.95	11.87	12.59	11.98	13.02	12.77	12.50	13.51	12.87	12.53	12.16	
30	11.34	11.82	11.95	12.47	12.06	12.90	12.79	12.47	13.27	12.90		12.20	
31		12.46		12.34	12.01		12.84		13.03	13.03		12.94	
MEAN	11.43	11.50	12.13	12.11	12.16	12.20	12.55	13.09	13.48	13.12	12.94	12.32	
MAX	11.60	12.46	12.49	12.71	12.47	13.02	13.00	13.66	14.83	13.79	13.54	12.94	14.83
MIN	11.31	11.31	11.83	11.62	11.98	11.76	12.16	12.46	12.40	12.58	12.53	12.04	11.31

ANNUAL MAX MOMENTARY GAGE HEIGHT 14.88 M (MSL), AT 6.00 HOURS, ON DEC 17, 1983
ZERO GAGE AT BOTTOM ELEVATION 11.00 M (MSL), RIVER BED 11.43 M (MSL)
LEFT BANK ELEVATION 16.66 M (MSL)
RIGHT BANK ELEVATION 16.66 M (MSL), DRAINAGE AREA 238 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.45	0.14	6.12	1.22	4.46	1.96	11.29	9.48	6.00	15.07	16.79	7.20	
2	0.50	0.12	5.70	0.67	3.92	1.40	10.90	13.20	7.44	18.22	15.07	6.96	
3	0.35	0.10	7.08	3.06	3.56	1.22	10.77	15.64	8.04	17.50	13.20	6.96	
4	0.50	0.09	5.90	2.32	3.92	2.71	7.20	18.94	9.36	13.63	12.49	6.36	
5	0.60	0.09	4.37	2.14	3.29	4.19	6.72	17.07	14.64	14.92	11.81	5.90	
6	0.60	0.12	4.64	1.35	3.38	4.10	5.80	16.93	17.79	17.93	9.99	5.90	
7	0.38	0.14	2.20	1.70	3.56	5.00	4.82	15.50	15.50	20.95	9.36	5.40	
8	0.23	0.13	1.55	1.22	3.38	4.28	4.10	16.50	15.93	22.46	11.16	5.20	
9	0.22	0.15	2.44	1.17	2.99	4.10	3.74	19.65	17.07	22.78	11.68	5.00	
10	0.20	0.10	2.99	2.26	2.99	3.92	4.01	18.22	20.51	24.22	11.16	4.82	
11	0.20	0.10	2.92	2.20	3.20	3.06	4.10	19.22	22.46	22.30	14.21	4.82	
12	0.28	0.10	3.13	2.85	4.10	2.26	5.00	21.55	21.40	18.65	16.64	3.74	
13	0.35	0.26	3.74	2.57	3.13	2.71	8.28	18.94	24.54	16.07	21.25	2.78	
14	0.33	1.09	3.20	2.32	2.99	3.06	7.08	16.07	32.86	15.07	21.40	4.10	
15	0.26	0.50	5.00	2.78	3.38	3.83	6.48	16.79	37.63	13.20	17.36	6.36	
16	0.26	0.33	5.30	3.20	6.84	4.01	5.40	18.79	44.67	12.07	15.35	5.70	
17	0.23	0.25	4.64	2.92	6.84	4.01	4.82	21.55	44.67	10.90	18.08	4.73	
18	0.20	0.19	4.46	3.29	5.20	3.29	4.46	18.51	36.84	11.55	16.93	4.28	
19	0.20	0.18	4.01	6.84	4.46	2.92	4.37	20.37	30.88	10.77	13.78	3.13	
20	0.18	0.25	3.38	5.10	3.83	2.50	5.70	23.26	27.20	9.99	11.81	6.12	
21	0.13	0.22	2.64	4.01	4.01	2.08	8.64	18.36	22.78	9.60	10.90	5.00	
22	0.10	0.29	3.47	3.29	5.70	2.71	7.56	13.92	18.94	8.52	9.99	4.19	
23	0.10	0.32	2.71	3.74	4.46	2.32	12.20	11.16	16.93	8.16	9.73	4.19	
24	0.09	0.50	3.56	3.56	3.83	2.57	13.63	9.60	16.21	15.64	8.88	4.82	
25	0.09	0.77	2.92	5.30	3.20	2.78	11.81	8.04	15.07	25.34	8.52	4.37	
26	0.18	1.00	2.64	5.40	2.85	7.44	12.20	6.84	17.93	19.65	11.16	5.90	
27	0.13	0.63	2.38	9.73	2.64	11.29	12.34	6.72	20.51	14.21	8.88	4.82	
28	0.13	0.74	2.26	8.16	2.71	13.63	13.20	7.20	23.58	12.77	8.64	4.10	
29	0.13	2.20	1.75	8.28	2.38	13.92	10.51	7.20	20.95	11.81	7.56	3.74	
30	0.13	1.50	2.20	6.84	2.92	12.20	10.77	6.84	17.50	12.20		4.10	
31		6.72		5.40	2.57		11.42		14.06	14.06		12.77	
TOTAL	7.73	19.32	109.30	114.89	116.69	135.47	249.32	452.06	659.89	480.21	373.78	163.46	2882.12 CMSDAY
MEAN	0.26	0.62	3.64	3.71	3.76	4.52	8.04	15.07	21.29	15.49	12.89	5.27	7.87 CMS
MAX	0.60	6.72	7.08	9.73	6.84	13.92	13.63	23.26	44.67	25.34	21.40	12.77	44.67 CMS
MIN	0.09	0.09	1.55	0.67	2.38	1.22	3.74	6.72	6.00	8.16	7.56	2.78	0.09 CMS
RUNOFF	0.668	1.669	9.444	9.926	10.082	11.705	21.541	39.058	57.015	41.490	32.295	14.123	249.015 MCM

MOMENTARY PEAK 45.65 CMS, AT 14.88 M (MSL), AT 6.00 HOURS, ON DEC 17, 1983

RUNOFF YIELD 33.09 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 191.81 LITERS/SECOND/SQUARE KM

WATER YEAR 1983

SOUTHERN PENINSULA EAST COAST

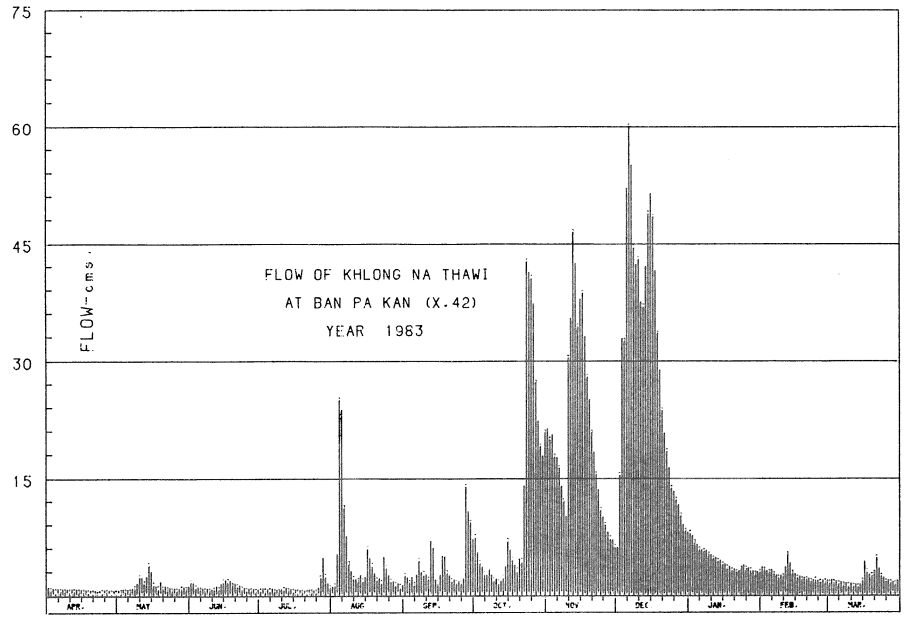
KHLONG NA THAWI AT BAN PA KAN, SONGKHLA (X.42)

LOCATION	LAT. 6°-41'-13" N., LONG. 100°-41'-21" E., ON LEFT BANK AT BAN PA KAN, TAMBON THA PRADU, AMPHOE NA THAWI, SONGKHLA.
DRAINAGE AREA	443 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM	+0.00 M. (A.D.)
BENCH MARK	B.M.-H.D.
LOCATION	ON LEFT BANK ABOUT 7 METERS FROM THE TOP OF STAFF GAGE.
ELEVATION	+7.013 M. (A.D.)
GAGE READING FREQUENCY	3-TIME DAILY READINGS AT 06.00, 12.00 AND 18.00 HOURS.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 3 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1965 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1976-1977
RATED BY FLOAT	-
RATED BY CURRENT METER	1976-1977
STABILITY OF CHANNEL REGIMES	STABLE.
OVERBANK FLOW CONDITIONS	OVERBANK FLOW STARTS AT ELEVATION +5.77 M.(A.D.) AND IS INCLUDED.
GENERAL DESCRIPTION	RECORDS POOR. STAGE-DISCHARGE RELATION DEFINED BY 129 DISCHARGE MEASUREMENTS MADE IN 1977.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.68	0.49	0.99	0.59	0.70	1.20	2.08	3.58	1.83	2.14	1.36	0.95	
2	0.63	0.52	0.88	0.62	0.85	1.07	1.73	3.48	3.03	2.06	1.34	0.99	
3	0.62	0.56	0.80	0.59	1.69	0.97	1.52	3.51	4.57	1.98	1.26	0.97	
4	0.60	0.56	0.69	0.56	3.94	1.08	1.37	3.27	4.57	1.90	1.28	0.94	
5	0.59	0.54	0.65	0.60	3.80	0.90	1.24	3.23	6.05	1.84	1.29	0.92	
6	0.58	0.54	0.62	0.59	2.55	1.16	1.14	3.12	6.63	1.78	1.23	0.91	
7	0.57	0.61	0.61	0.54	2.05	1.59	1.39	2.85	6.26	1.80	1.14	0.88	
8	0.56	0.77	0.60	0.52	1.51	1.23	1.15	2.65	5.49	1.77	1.12	0.87	
9	0.55	0.87	0.58	0.54	1.26	1.25	1.06	2.37	5.30	1.73	1.13	0.86	
10	0.54	1.15	0.55	0.56	1.11	1.16	1.02	4.40	5.37	1.67	1.16	0.85	
11	0.57	1.07	0.65	0.67	1.01	1.08	0.98	4.77	4.93	1.63	1.36	0.83	
12	0.59	0.96	0.74	0.66	1.04	1.96	0.95	5.64	4.91	1.60	1.73	0.82	
13	0.57	1.10	0.70	0.62	1.14	1.90	1.14	5.31	5.28	1.57	1.46	0.81	
14	0.54	1.47	0.85	0.57	1.03	1.00	1.37	4.71	5.82	1.53	1.26	0.82	
15	0.53	1.25	1.01	0.54	1.08	0.96	2.00	4.96	6.00	1.48	1.18	1.02	
16	0.53	0.90	0.99	0.53	1.86	1.15	1.78	5.04	5.79	1.44	1.12	1.50	
17	0.51	0.76	1.02	0.51	1.59	1.72	1.61	4.59	5.24	1.40	1.10	1.29	
18	0.50	0.76	0.97	0.50	1.46	1.63	1.41	4.20	4.64	1.37	1.07	1.15	
19	0.49	0.93	0.88	0.49	1.20	1.27	1.33	3.92	4.25	1.33	1.06	1.19	
20	0.48	0.72	0.87	0.47	1.06	1.13	1.57	3.56	3.82	1.31	1.07	1.26	
21	0.47	0.74	0.84	0.49	1.04	1.03	1.58	3.30	3.53	1.28	1.03	1.65	
22	0.40	0.68	0.79	0.53	0.98	1.00	2.86	3.04	3.34	1.26	1.01	1.32	
23	0.47	0.65	0.71	0.50	1.62	0.97	5.35	2.80	3.10	1.37	0.98	1.17	
24	0.52	0.61	0.65	0.47	1.41	0.94	5.22	2.51	2.86	1.41	1.05	1.06	
25	0.51	0.62	0.61	0.52	1.14	0.95	5.19	2.36	2.77	1.37	0.96	1.00	
26	0.49	0.58	0.60	0.65	1.02	1.03	4.91	2.27	2.67	1.33	0.98	0.97	
27	0.48	0.59	0.62	1.13	0.94	2.88	4.14	2.12	2.56	1.32	0.97	0.96	
28	0.46	0.73	0.58	1.60	0.90	2.45	3.67	2.05	2.42	1.26	1.00	0.91	
29	0.46	0.68	0.55	1.18	0.87	2.31	3.40	1.98	2.24	1.24	0.97	0.93	
30	0.48	0.68	0.54	0.87	0.83	1.99	3.25	1.89	2.17	1.23		0.96	
31		0.73		0.78	0.80		3.56		2.12	1.28		1.10	
MEAN	0.53	0.77	0.74	0.64	1.40	1.37	2.29	3.45	4.18	1.54	1.16	1.03	
MAX	0.68	1.47	1.02	1.60	3.94	2.88	5.35	5.64	6.63	2.14	1.73	1.65	6.63
MIN	0.40	0.49	0.54	0.47	0.70	0.90	0.95	1.89	1.83	1.23	0.96	0.81	0.40

ANNUAL MAX MOMENTARY GAGE HEIGHT 6.65 M (A.D), AT 12.00 HOURS, ON DEC 6, 1983
ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D), RIVER BED 0.20 M (A.D)
LEFT BANK ELEVATION 6.89 M (A.D)
RIGHT BANK ELEVATION 5.76 M (A.D), DRAINAGE AREA 443 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	1.16	0.78	2.07	0.98	1.20	2.90	7.86	21.38	6.18	8.32	3.70	1.92	
2	1.06	0.84	1.68	1.04	1.58	2.38	5.58	20.28	15.70	7.72	3.60	2.07	
3	1.04	0.92	1.40	0.98	5.35	2.00	4.50	20.61	32.91	7.16	3.20	2.00	
4	1.00	0.92	1.18	0.92	25.34	2.42	3.75	18.10	32.91	6.60	3.30	1.89	
5	0.98	0.88	1.10	1.00	23.80	1.75	3.10	17.70	52.20	6.24	3.35	1.82	
6	0.96	0.88	1.04	0.98	11.60	2.74	2.66	16.60	60.32	5.88	3.05	1.79	
7	0.94	1.02	1.02	0.88	7.65	4.85	3.85	14.00	55.14	6.00	2.66	1.68	
8	0.92	1.34	1.00	0.84	4.45	3.05	2.70	12.40	44.87	5.82	2.58	1.65	
9	0.90	1.65	0.96	0.88	3.20	3.15	2.34	10.16	42.40	5.58	2.62	1.61	
10	0.88	2.70	0.90	0.92	2.54	2.74	2.18	30.70	43.31	5.25	2.74	1.58	
11	0.94	2.38	1.10	1.14	2.14	2.42	2.03	35.51	37.59	5.05	3.70	1.50	
12	0.98	1.96	1.28	1.12	2.26	7.02	1.92	46.82	37.33	4.90	5.58	1.47	
13	0.94	2.50	1.20	1.04	2.66	6.60	2.66	42.53	42.14	4.75	4.20	1.43	
14	0.88	4.25	1.58	0.94	2.22	2.10	3.75	34.73	49.16	4.55	3.20	1.47	
15	0.86	3.15	2.14	0.88	2.42	1.96	7.30	37.98	51.50	4.30	2.82	2.18	
16	0.86	1.75	2.07	0.86	6.36	2.70	5.88	39.02	48.77	4.10	2.58	4.40	
17	0.82	1.32	2.18	0.82	4.85	5.52	4.95	33.17	41.62	3.90	2.50	3.35	
18	0.80	1.32	2.00	0.80	4.20	5.05	3.95	28.30	33.82	3.75	2.38	2.70	
19	0.78	1.85	1.68	0.78	2.90	3.25	3.55	25.12	28.90	3.55	2.34	2.86	
20	0.76	1.24	1.65	0.74	2.34	2.62	4.75	21.16	24.02	3.45	2.38	3.20	
21	0.74	1.28	1.54	0.78	2.26	2.22	4.80	18.40	20.83	3.30	2.22	5.15	
22	0.60	1.16	1.38	0.86	2.03	2.10	14.08	15.80	18.80	3.20	2.14	3.50	
23	0.74	1.10	1.22	0.80	5.00	2.00	43.05	13.60	16.40	3.75	2.03	2.78	
24	0.84	1.02	1.10	0.74	3.95	1.89	41.36	11.28	14.08	3.95	2.30	2.34	
25	0.82	1.04	1.02	0.84	2.66	1.92	40.97	10.08	13.36	3.75	1.96	2.10	
26	0.78	0.96	1.00	1.10	2.18	2.22	37.33	9.36	12.56	3.55	2.03	2.00	
27	0.76	0.98	1.04	2.62	1.89	14.24	27.58	8.16	11.68	3.50	2.00	1.96	
28	0.72	1.26	0.96	4.90	1.75	10.80	22.37	7.65	10.56	3.20	2.10	1.79	
29	0.72	1.16	0.90	2.82	1.65	9.68	19.40	7.16	9.12	3.10	2.00	1.85	
30	0.76	1.16	0.88	1.65	1.50	7.23	17.90	6.54	8.56	3.05		1.96	
31		1.26		1.36	1.40		21.16		8.16	3.30		2.50	
TOTAL	25.94	46.03	40.27	37.01	145.33	121.52	369.26	634.30	924.90	144.52	81.26	70.50	2640.84 CMSDAY
MEAN	0.86	1.48	1.34	1.19	4.69	4.05	11.91	21.14	29.84	4.66	2.80	2.27	7.22 CMS
MAX	1.16	4.25	2.18	4.90	25.34	14.24	43.05	46.82	60.32	8.32	5.58	5.15	60.32 CMS
MIN	0.60	0.78	0.88	0.74	1.20	1.75	1.92	6.54	6.18	3.05	1.96	1.43	0.60 CMS
RUNOFF	2.241	3.977	3.479	3.198	12.557	10.499	31.904	54.804	79.911	12.487	7.021	6.091	228.169 MCM

MOMENTARY PEAK 60.60 CMS, AT 6.65 M (A.D), AT 12.00 HOURS, ON DEC 6, 1983
RUNOFF YIELD 16.29 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 136.79 LITERS/SECOND/SQUARE KM

WATER YEAR 1983

SOUTHERN PENINSULA EAST COAST

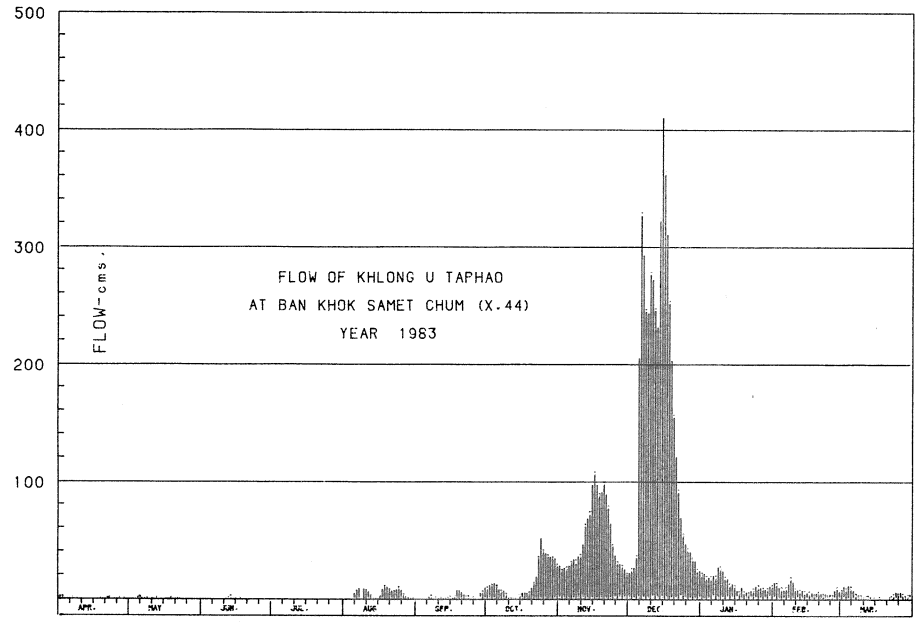
KHLONG U TAPHAO AT BAN KHOK SAMET CHUM, SONGKHLA (X.44)

LOCATION	LAT. 7°-00'-02" N., LONG. 100°-27'-32" E., ON LEFT BANK AT THE BRIDGE OF HAT YAI-RATTAPHUM HIGHWAY, BAN KHOK SAMET CHUM, AMPHOE HAT YAI, SONGKHLA.
DRAINAGE AREA	1,740 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM	+0.00 M. (A.D.)
BENCH MARK	B.M.-H.D.
LOCATION	ON LEFT BANK ABOUT 30 METERS FROM THE TOP STAFF GAGE.
ELEVATION	+7.920 M.(A.D.)
GAGE READING FREQUENCY	5-TIME DAILY READINGS AT 06.00, 09.00, 12.00, 15.00 AND 18.00 HOURS.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 5 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1967 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1967-1972, 1983 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1967-1972, 1983 TO DATE.
STABILITY OF CHANNEL REGIMES	FAIRLY STABLE.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS GOOD. STAGE-DISCHARGE RELATION DEFINED BY 25 DISCHARGE MEASUREMENTS MADE IN 1983.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	1.02	0.87	0.83	0.70	0.88	0.00	1.38	1.98	1.78	1.79	1.51	1.30	
2	1.02	0.86	0.89	0.74	0.85	0.00	1.43	1.88	1.90	1.76	1.49	1.40	
3	0.97	0.87	0.81	0.69	0.89	0.00	1.46	1.92	1.92	1.70	1.37	1.35	
4	1.00	0.96	0.76	0.66	0.88	0.00	1.49	1.95	2.26	1.65	1.38	1.42	
5	0.97	1.03	0.76	0.62	1.14	0.00	1.44	1.98	5.70	1.68	1.29	1.39	
6	0.93	0.87	0.71	0.57	1.27	0.99	1.31	2.10	7.02	1.71	1.37	1.27	
7	0.90	0.91	0.68	0.55	1.34	1.07	1.29	2.16	6.69	1.70	1.47	1.14	
8	0.87	0.91	0.73	0.61	0.35	0.98	1.26	2.15	6.23	1.94	1.66	1.09	
9	0.87	0.87	0.78	0.66	1.33	0.97	1.17	2.24	6.19	1.96	1.52	1.07	
10	0.86	0.90	0.87	0.72	1.30	0.98	0.98	2.30	6.56	1.83	1.34	1.02	
11	0.80	0.90	0.88	0.68	1.22	1.00	0.93	2.56	6.50	1.67	1.30	1.05	
12	0.79	0.88	0.98	0.68	1.08	0.95	0.96	2.99	6.24	1.61	1.31	1.07	
13	0.80	0.88	1.05	0.75	0.96	0.96	0.90	3.11	6.04	1.48	1.28	1.00	
14	0.81	0.88	0.93	0.77	0.91	0.98	0.96	3.26	6.98	1.47	1.26	0.99	
15	0.82	0.87	0.90	0.80	0.92	1.02	1.10	3.78	7.67	1.44	1.17	0.95	
16	0.84	0.88	0.97	0.76	1.10	0.94	1.17	4.00	7.32	1.27	1.23	0.99	
17	0.88	0.92	0.90	0.73	1.32	1.04	1.17	3.78	6.85	1.24	1.18	1.01	
18	0.92	0.98	0.87	0.71	1.42	1.28	1.17	3.64	6.31	1.37	1.12	1.00	
19	0.95	0.94	0.85	0.82	1.38	1.26	1.22	3.66	5.67	1.24	1.15	0.99	
20	0.89	0.86	0.78	0.88	1.33	1.20	1.35	3.83	4.93	1.20	1.22	0.99	
21	0.95	0.91	0.72	0.81	1.26	1.08	1.52	3.62	4.26	1.21	1.14	0.99	
22	0.95	0.85	0.70	0.84	1.27	1.04	1.67	3.39	3.70	1.26	1.14	1.04	
23	0.92	0.82	0.79	0.81	1.31	1.04	2.24	3.00	3.13	1.34	1.12	1.12	
24	0.94	0.75	0.77	0.84	1.38	0.99	2.69	2.56	2.79	1.40	1.08	1.21	
25	0.94	0.77	0.72	0.74	1.29	0.99	2.43	2.27	2.57	1.43	1.11	1.17	
26	0.97	0.77	0.69	0.84	1.13	0.94	2.33	2.10	2.47	1.36	1.09	1.20	
27	0.93	0.77	0.63	0.83	1.02	1.00	2.30	2.03	2.37	1.37	1.27	1.15	
28	0.93	0.73	0.64	0.86	0.95	1.16	2.23	2.00	2.21	1.31	1.38	1.06	
29	0.90	0.78	0.82	0.81	0.94	1.26	2.24	1.88	2.11	1.35	1.23	1.10	
30	0.85	0.79	0.78	0.81	0.93	1.36	2.19	1.78	1.89	1.40		1.12	
31		0.83		0.77	0.89		2.03		1.84	1.43		1.05	
MEAN	0.91	0.86	0.81	0.74	1.10	0.88	1.55	2.66	4.52	1.50	1.28	1.12	
MAX	1.02	1.03	1.05	0.88	1.42	1.36	2.69	4.00	7.67	1.96	1.66	1.42	7.67
MIN	0.79	0.73	0.63	0.55	0.35	0.00	0.90	1.78	1.78	1.20	1.08	0.95	0.00

ANNUAL MAX MOMENTARY GAGE HEIGHT 7.73 M (A.D), AT 7.00 HOURS, ON DEC 15, 1983
ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D), RIVER BED -1.49 M (A.D)
LEFT BANK ELEVATION 9.96 M (A.D)
RIGHT BANK ELEVATION 9.96 M (A.D), DRAINAGE AREA 1740 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	2.40	0.70	0.30	0.00	0.80	0.00	10.40	28.40	22.40	22.70	14.30	8.00	
2	2.40	0.60	0.90	0.00	0.50	0.00	11.90	25.40	26.00	21.80	13.70	11.00	
3	1.70	0.70	0.10	0.00	0.90	0.00	12.80	26.60	26.60	20.00	10.10	9.50	
4	2.00	1.60	0.00	0.00	0.80	0.00	13.70	27.50	36.80	18.50	10.40	11.60	
5	1.70	2.60	0.00	0.00	4.80	0.00	12.20	28.40	205.00	19.40	7.80	10.70	
6	1.30	0.70	0.00	0.00	7.40	1.90	8.30	32.00	329.20	20.30	10.10	7.40	
7	1.00	1.10	0.00	0.00	9.20	3.40	7.80	33.80	292.90	20.00	13.10	4.80	
8	0.70	1.10	0.00	0.00	0.00	1.80	7.20	33.50	246.70	27.20	18.80	3.80	
9	0.70	0.70	0.00	0.00	8.90	1.70	5.40	36.20	243.20	27.80	14.60	3.40	
10	0.60	1.00	0.70	0.00	8.00	1.80	1.80	38.00	278.60	23.90	9.20	2.40	
11	0.00	1.00	0.80	0.00	6.40	2.00	1.30	46.40	272.00	19.10	8.00	3.00	
12	0.00	0.80	1.80	0.00	3.60	1.50	1.60	63.60	247.60	17.30	8.30	3.40	
13	0.00	0.80	3.00	0.00	1.60	1.60	1.00	68.40	231.20	13.40	7.60	2.00	
14	0.10	0.80	1.30	0.00	1.10	1.80	1.60	74.40	324.80	13.10	7.20	1.90	
15	0.20	0.70	1.00	0.00	1.20	2.40	4.00	97.00	410.10	12.20	5.40	1.50	
16	0.40	0.80	1.70	0.00	4.00	1.40	5.40	108.00	364.60	7.40	6.60	1.90	
17	0.80	1.20	1.00	0.00	8.60	2.80	5.40	97.00	310.50	6.80	5.60	2.20	
18	1.20	1.80	0.70	0.00	11.60	7.60	5.40	90.00	253.90	10.10	4.40	2.00	
19	1.50	1.40	0.50	0.20	10.40	7.20	6.40	91.00	202.90	6.80	5.00	1.90	
20	0.90	0.60	0.00	0.80	8.90	6.00	9.50	99.50	156.80	6.00	6.40	1.90	
21	1.50	1.10	0.00	0.10	7.20	3.60	14.60	89.00	121.00	6.20	4.80	1.90	
22	1.50	0.50	0.00	0.40	7.40	2.80	19.10	79.60	93.00	7.20	4.80	2.80	
23	1.20	0.20	0.00	0.10	8.30	2.80	36.20	64.00	69.20	9.20	4.40	4.40	
24	1.40	0.00	0.00	0.40	10.40	1.90	51.60	46.40	55.60	11.00	3.60	6.20	
25	1.40	0.00	0.00	0.00	7.80	1.90	41.90	37.10	46.80	11.90	4.20	5.40	
26	1.70	0.00	0.00	0.40	4.60	1.40	38.90	32.00	43.10	9.80	3.80	6.00	
27	1.30	0.00	0.00	0.30	2.40	2.00	38.00	29.90	40.10	10.10	7.40	5.00	
28	1.30	0.00	0.00	0.60	1.50	5.20	35.90	29.00	35.30	8.30	10.40	3.20	
29	1.00	0.00	0.20	0.10	1.40	7.20	36.20	25.40	32.30	9.50	6.60	4.00	
30	0.50	0.00	0.00	0.10	1.30	9.80	34.70	22.40	25.70	11.00		4.40	
31		0.30		0.00	0.90		29.90		24.20	11.90		3.00	
TOTAL	32.40	22.80	14.00	3.50	151.90	83.50	510.10	1599.90	5068.10	439.90	236.60	140.60	8303.30 CMSDAY
MEAN	1.08	0.74	0.47	0.11	4.90	2.78	16.45	53.33	163.49	14.19	8.16	4.54	22.69 CMS
MAX	2.40	2.60	3.00	0.80	11.60	9.80	51.60	108.00	410.10	27.80	18.80	11.60	410.10 CMS
MIN	0.00	0.00	0.00	0.00	0.00	0.00	1.00	22.40	22.40	6.00	3.60	1.50	0.00 CMS
RUNOFF	2.799	1.970	1.210	0.302	13.124	7.214	44.073	138.231	437.884	38.007	20.442	12.148	717.405 MCM

MOMENTARY PEAK 417.90 CMS, AT 7.73 M (A.D), AT 7.00 HOURS, ON DEC 15, 1983

RUNOFF YIELD 13.04 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 240.17 LITERS/SECOND/SQUARE KM

WATER YEAR 1983

SOUTHERN PENINSULA EAST COAST

KHLONG RATTAPHUM AT BAN KAMPHAENG PHET, SONGKHLA (X.67)

LOCATION — LAT. 7°-08'-35" N., LONG. 100°-17'-20" E., ON RIGHT BANK ABOUT 3 METERS UPSTREAM FROM THE BRIDGE OF PHATTHALUNG-SONGKHLA HIGHWAY, AMPHOE RATTAPHUM, SONGKHLA.

DRAINAGE AREA — 272 SQ.KM.

TYPE OF GAGE — STAFF GAGE.

ZERO GAGE AT BOTTOM — +16.00 M.(M.S.L.)

BENCH MARK — B.M.-H.D.

LOCATION — ON LEFT BANK UNDER THE SANTOL TREE.

ELEVATION — +20.413 M.(M.S.L.)

GAGE READING FREQUENCY — 5-TIME DAILY READINGS AT 06.00, 09.00, 12.00, 15.00 AND 18.00 HOURS.

BASIS OF MEAN DAILY GAGE HEIGHT — ARITHMETIC MEAN OF 5 READINGS.

PERIOD OF AVAILABLE GAGE RECORDS — 1967 TO DATE.

RATING OPERATION

PERIOD OF RATING — 1967-1970, 1972, 1983 TO DATE.

RATED BY FLOAT — -

RATED BY CURRENT METER — 1967-1970, 1972, 1983 TO DATE.

STABILITY OF CHANNEL REGIMES — STABLE.

OVERBANK FLOW CONDITIONS — NO OVERBANK FLOW.

GENERAL DESCRIPTION — RECORDS GOOD. FLOW REGULATED BY RATTAPHUM WEIR FOR IRRIGATION ABOUT 10,688 HECTARES. STAGE-DISCHARGE RELATION DEFINED BY 34 DISCHARGE MEASUREMENTS MADE IN 1983.

GAGE HEIGHT IN METER (MSL), WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

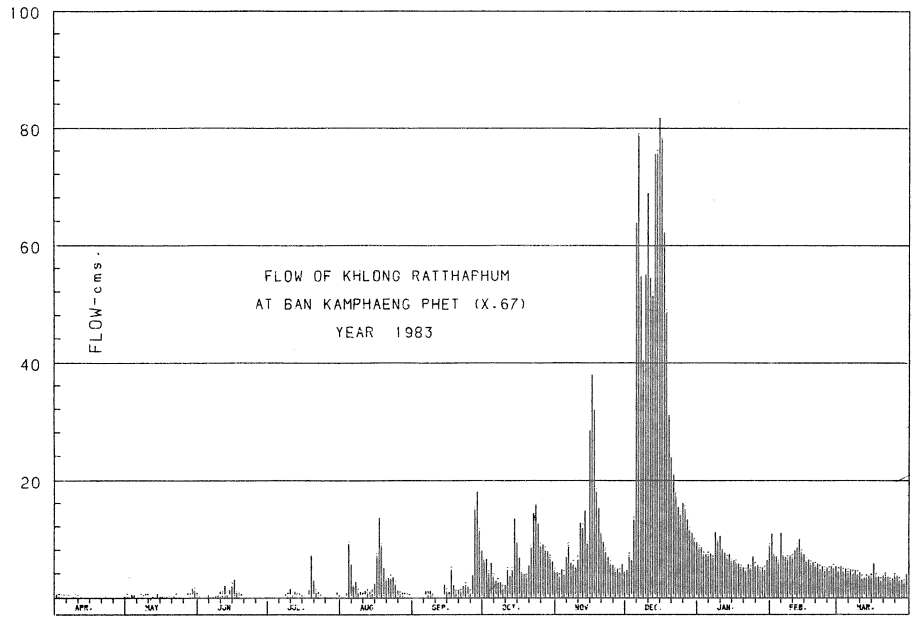
DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	16.78	16.83	16.71	16.69	16.68	16.75	17.57	17.34	17.38	17.74	17.89	17.42	
2	16.82	16.63	16.68	16.68	16.65	16.74	17.55	17.32	17.64	17.71	17.65	17.44	
3	16.80	16.78	16.67	16.63	16.84	16.74	17.37	17.39	17.53	17.65	17.59	17.41	
4	16.78	16.75	16.70	16.61	17.79	16.77	17.49	17.37	18.09	17.62	17.53	17.40	
5	16.80	16.71	16.89	16.64	17.47	16.80	17.32	17.58	20.33	17.65	17.90	17.40	
6	16.76	16.77	16.80	16.68	17.15	16.92	17.18	17.77	20.85	17.63	17.64	17.39	
7	16.76	16.82	16.64	16.67	17.16	16.93	17.23	17.49	20.00	17.60	17.58	17.38	
8	16.81	16.75	16.72	16.79	17.00	16.93	17.15	17.53	19.46	17.91	17.60	17.38	
9	16.80	16.81	16.90	16.85	16.90	16.81	17.09	17.42	20.01	17.83	17.60	17.37	
10	16.76	16.83	16.91	17.00	16.86	16.75	17.09	17.60	20.53	17.86	17.62	17.34	
11	16.77	16.66	16.92	16.88	16.93	16.70	17.42	18.02	19.99	17.72	17.67	17.30	
12	16.73	16.74	17.08	16.91	16.98	16.68	17.27	18.01	19.90	17.64	17.76	17.24	
13	16.70	16.70	16.92	16.83	16.91	16.75	17.42	18.16	20.74	17.61	17.82	17.30	
14	16.68	16.90	16.97	16.83	16.97	17.10	18.07	17.79	20.76	17.62	17.68	17.28	
15	16.65	16.79	17.15	16.75	17.12	17.01	17.81	18.93	20.94	17.55	17.62	17.31	
16	16.65	16.68	17.21	16.77	17.63	16.89	17.57	19.36	20.84	17.53	17.57	17.48	
17	16.74	16.72	17.01	16.83	18.08	17.43	17.38	19.09	20.27	17.54	17.54	17.32	
18	16.76	16.68	16.87	16.96	17.77	17.09	17.31	18.39	19.79	17.48	17.52	17.26	
19	16.71	16.73	16.81	17.64	17.41	16.96	17.31	18.19	19.05	17.46	17.50	17.25	
20	16.63	16.61	16.74	17.19	17.26	16.97	17.45	17.93	18.72	17.42	17.50	17.28	
21	16.59	16.71	16.67	17.00	17.24	16.99	17.74	17.78	18.53	17.41	17.48	17.33	
22	16.71	16.82	16.67	16.90	17.30	17.07	18.13	17.70	18.35	17.47	17.46	17.26	
23	16.71	16.72	16.69	16.78	17.25	17.15	18.26	17.58	18.20	17.45	17.44	17.24	
24	16.75	16.72	16.70	16.67	17.18	17.05	18.01	17.52	18.15	17.59	17.43	17.23	
25	16.77	16.73	16.70	16.67	16.95	16.98	17.77	17.46	18.24	17.50	17.42	17.32	
26	16.73	16.73	16.67	16.66	16.91	17.29	17.75	17.41	18.22	17.46	17.43	17.28	
27	16.70	16.85	16.63	16.72	16.87	18.20	17.72	17.40	18.06	17.42	17.44	17.25	
28	16.64	16.83	16.64	16.68	16.85	18.36	17.66	17.40	17.97	17.42	17.47	17.20	
29	16.63	17.01	16.67	16.67	16.83	17.96	17.61	17.47	17.90	17.44	17.44	17.20	
30	16.79	17.03	16.70	16.88	16.80	17.67	17.51	17.39	17.83	17.53		17.31	
31		16.86		16.76	16.79		17.41		17.78	17.76		17.42	
MEAN	16.73	16.77	16.80	16.81	17.11	17.08	17.54	17.79	19.10	17.59	17.58	17.32	
MAX	16.82	17.03	17.21	17.64	18.08	18.36	18.26	19.36	20.94	17.91	17.90	17.48	20.94
MIN	16.59	16.61	16.63	16.61	16.65	16.68	17.09	17.32	17.38	17.41	17.42	17.20	16.59

ANNUAL MAX MOMENTARY GAGE HEIGHT — 20.96 M (MSL), AT 18.00 HOURS, ON DEC 5, 1983

ZERO GAGE AT BOTTOM ELEVATION — 16.00 M (MSL), RIVER BED — 16.79 M (MSL)

LEFT BANK ELEVATION — 21.77 M (MSL)

RIGHT BANK ELEVATION — 21.63 M (MSL), DRAINAGE AREA — 272 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.52	0.72	0.24	0.18	0.16	0.40	6.77	4.30	4.70	8.92	10.87	5.12	
2	0.68	0.06	0.16	0.16	0.10	0.36	6.55	4.10	7.62	8.53	7.75	5.34	
3	0.60	0.52	0.14	0.06	0.76	0.36	4.60	4.80	6.33	7.75	6.99	5.01	
4	0.52	0.40	0.20	0.02	9.57	0.48	5.89	4.60	13.75	7.36	6.33	4.90	
5	0.60	0.24	0.96	0.08	5.67	0.60	4.10	6.88	63.84	7.75	11.00	4.90	
6	0.44	0.48	0.60	0.16	2.60	1.10	2.84	9.31	78.98	7.49	7.62	4.80	
7	0.44	0.68	0.08	0.14	2.68	1.15	3.27	5.89	54.70	7.10	6.88	4.70	
8	0.64	0.40	0.28	0.56	1.50	1.15	2.60	6.33	40.74	11.14	7.10	4.70	
9	0.60	0.64	1.00	0.80	1.00	0.64	2.13	5.12	54.97	10.09	7.10	4.60	
10	0.44	0.72	1.05	1.50	0.84	0.40	2.13	7.10	69.47	10.48	7.36	4.30	
11	0.48	0.12	1.10	0.92	1.15	0.20	5.12	12.70	54.43	8.66	8.01	3.90	
12	0.32	0.36	2.06	1.05	1.40	0.16	3.63	12.55	52.00	7.62	9.18	3.36	
13	0.20	0.20	1.10	0.72	1.05	0.40	5.12	14.80	75.62	7.23	9.96	3.90	
14	0.16	1.00	1.35	0.72	1.35	2.20	13.45	9.57	76.23	7.36	8.14	3.72	
15	0.10	0.56	2.60	0.40	2.36	1.57	9.83	28.43	81.74	6.55	7.36	4.00	
16	0.10	0.16	3.09	0.48	7.49	0.96	6.77	38.34	78.67	6.33	6.77	5.78	
17	0.36	0.28	1.57	0.72	13.60	5.23	4.70	31.97	62.16	6.44	6.44	4.10	
18	0.44	0.16	0.88	1.30	9.31	2.13	4.00	18.53	49.04	5.78	6.22	3.54	
19	0.24	0.32	0.64	7.62	5.01	1.30	4.00	15.25	31.05	5.56	6.00	3.45	
20	0.06	0.02	0.36	2.92	3.54	1.35	5.45	11.42	24.28	5.12	6.00	3.72	
21	0.00	0.24	0.14	1.50	3.36	1.45	8.92	9.44	20.91	5.01	5.78	4.20	
22	0.24	0.68	0.14	1.00	3.90	1.99	14.35	8.40	17.85	5.67	5.56	3.54	
23	0.24	0.28	0.18	0.52	3.45	2.60	16.36	6.88	15.40	5.45	5.34	3.36	
24	0.40	0.28	0.20	0.14	2.84	1.85	12.55	6.22	14.65	6.99	5.23	3.27	
25	0.48	0.32	0.20	0.14	1.25	1.40	9.31	5.56	16.04	6.00	5.12	4.10	
26	0.32	0.32	0.14	0.12	1.05	3.81	9.05	5.01	15.72	5.56	5.23	3.72	
27	0.20	0.80	0.06	0.28	0.88	15.40	8.66	4.90	13.30	5.12	5.34	3.45	
28	0.08	0.72	0.08	0.16	0.80	18.02	7.88	4.90	11.98	5.12	5.67	3.00	
29	0.06	1.57	0.14	0.14	0.72	11.84	7.23	5.67	11.00	5.34	5.34	3.00	
30	0.56	1.71	0.20	0.92	0.60	8.01	6.11	4.80	10.09	6.33		4.00	
31		0.84		0.44	0.56		5.01		9.44	9.18		5.12	
TOTAL	10.52	15.80	20.94	25.87	90.55	88.51	208.38	313.77	1136.70	219.03	201.69	128.60	2460.36 CMSDAY
MEAN	0.35	0.51	0.70	0.83	2.92	2.95	6.72	10.46	36.67	7.07	6.95	4.15	6.72 CMS
MAX	0.68	1.71	3.09	7.62	13.60	18.02	16.36	38.34	81.74	11.14	11.00	5.78	81.74 CMS
MIN	0.00	0.02	0.06	0.02	0.10	0.16	2.13	4.10	4.70	5.01	5.12	3.00	0.00 CMS
RUNOFF	0.909	1.365	1.809	2.235	7.824	7.647	18.004	27.110	98.211	18.924	17.426	11.111	212.575 MCM

MOMENTARY PEAK 82.36 CMS, AT 20.96 M (MSL), AT 18.00 HOURS, ON DEC 5, 1983

RUNOFF YIELD 24.71 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 302.79 LITERS/SECOND/SQUARE KM

WATER YEAR 1983

SOUTHERN PENINSULA EAST COAST

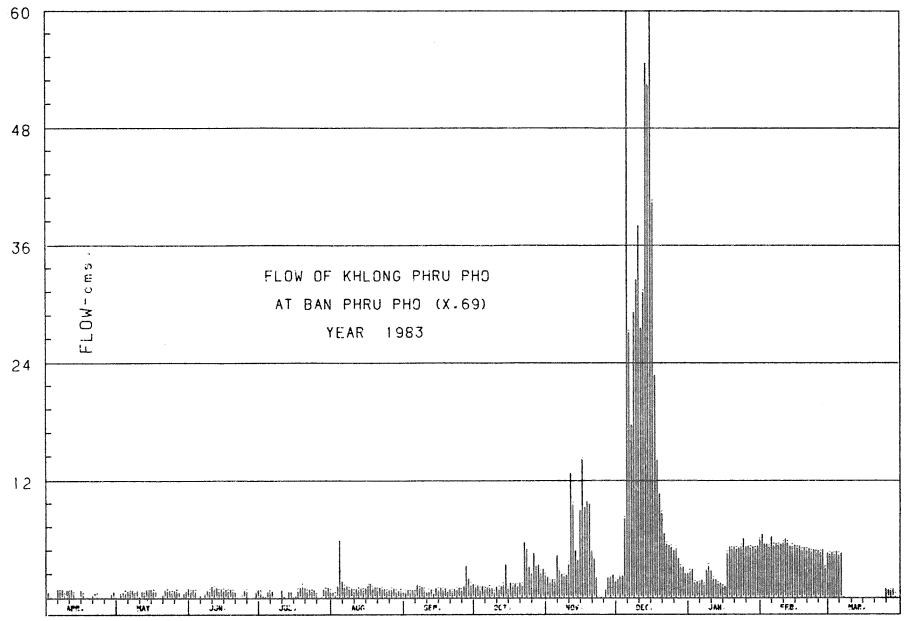
KHLONG PHRU PHO AT BAN PHRU PHO, SONGKHLA (X.69)

LOCATION	LAT. 7°-11'-25" N., LONG. 100°-13'-26" E., ON RIGHT BANK UPSTREAM SIDE OF THE BRIDGE OF PHATTHALUNG-HAT YAI HIGHWAY AT BAN PHRU PHO, AMPHOE RATTAPHUM, SONGKHLA.
DRAINAGE AREA	88 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM	+24.92 M. (M.S.L..)
BENCH MARK	B.M.-H.D.
LOCATION	ON RIGHT BANK NEAR THE GAGE OBSERVER' HOUSE.
ELEVATION	+28.248 M.(M.S.L.)
GAGE READING FREQUENCY	5-TIME DAILY READINGS AT 06.00, 09.00, 12.00,15.00 AND 18.00 HOURS.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 5 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1967 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1967-1972, 1980, 1983 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1967-1972, 1980, 1983 TO DATE.
STABILITY OF CHANNEL REGIMES	FAIRLY STABLE.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS GOOD. STAGE-DISCHARGE RELATION DEFINED BY 19 DISCHARGE MEASUREMENTS MADE IN 1983.

GAGE HEIGHT IN METER (MSL), WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	25.82	25.63	25.89	25.87	25.81	25.89	25.96	26.06	26.03	25.75	26.15	25.96	
2	25.67	25.83	25.89	25.73	25.82	25.88	25.95	26.03	26.10	25.75	26.08	25.96	
3	25.62	25.82	25.89	25.69	25.94	25.87	25.93	26.03	26.07	25.59	26.05	25.96	
4	25.68	25.87	25.65	25.83	26.39	25.87	25.94	26.03	26.53	25.57	26.04	25.97	
5	25.89	25.85	25.76	25.87	26.01	25.87	25.93	26.26	28.76	25.58	26.13	25.96	
6	25.89	25.87	25.61	25.84	25.96	25.96	25.92	26.15	27.40	25.60	26.06	25.95	
7	25.89	25.87	25.81	25.56	25.94	25.94	25.95	26.09	26.92	25.55	26.06	25.70	
8	25.80	25.81	25.86	25.58	25.93	25.93	25.91	26.09	27.49	25.74	26.06	25.30	
9	25.87	25.86	25.90	25.60	25.91	25.92	25.87	26.08	27.61	25.82	26.05	25.27	
10	25.88	25.70	25.94	25.87	25.90	25.81	25.93	26.21	27.83	25.73	26.09	25.28	
11	25.89	25.84	25.94	25.70	25.90	25.91	25.94	26.79	27.41	25.65	26.11	25.29	
12	25.83	25.82	25.92	25.69	25.92	25.89	25.94	26.62	27.57	25.61	26.09	25.28	
13	25.67	25.88	25.90	25.88	25.91	25.87	25.99	26.30	28.35	25.57	26.03	25.27	
14	25.63	25.88	25.90	25.83	25.91	25.91	26.18	26.24	28.29	25.55	26.05	25.25	
15	25.87	25.89	25.91	25.61	25.91	25.92	25.94	26.57	28.69	25.52	26.04	25.31	
16	25.81	25.90	25.89	25.72	25.98	25.92	25.99	26.87	27.91	25.49	26.03	25.33	
17	25.56	25.83	25.90	25.91	25.98	25.92	25.98	26.59	27.19	25.97	26.03	25.29	
18	25.70	25.57	25.89	25.92	25.95	25.91	25.98	26.64	26.72	26.02	26.01	25.26	
19	25.61	25.66	25.89	25.98	25.93	25.89	25.98	26.61	26.48	26.02	26.01	25.25	
20	25.77	25.81	25.82	25.92	25.92	25.89	25.99	26.32	26.35	26.02	26.01	25.27	
21	25.79	25.87	25.61	25.89	25.92	25.90	25.99	26.23	26.16	26.02	26.00	25.40	
22	25.80	25.90	25.70	25.89	25.93	25.90	26.36	26.08	26.08	26.01	25.99	25.32	
23	25.65	25.87	25.73	25.89	25.90	25.92	26.33	25.73	26.04	26.05	25.99	25.28	
24	25.55	25.86	25.86	25.88	25.89	25.92	26.16	25.68	26.04	26.11	25.98	25.39	
25	25.60	25.86	25.89	25.80	25.87	25.91	26.12	25.64	25.98	26.05	25.98	25.91	
26	25.70	25.89	25.60	25.68	25.92	25.94	26.28	25.92	26.03	26.03	25.98	25.87	
27	25.73	25.81	25.51	25.65	25.91	26.20	26.19	26.05	25.89	26.03	25.99	25.90	
28	25.83	25.64	25.72	25.89	25.89	26.04	26.18	26.09	25.81	26.02	25.79	25.90	
29	25.83	25.78	25.88	25.92	25.85	26.00	26.13	26.08	25.78	26.02	25.95	25.80	
30	25.62	25.92	25.88	25.92	25.90	25.97	26.14	26.04	25.73	26.03		25.58	
31		25.91		25.90	25.81		26.10		25.70	26.12		25.56	
MEAN	25.75	25.82	25.82	25.80	25.93	25.92	26.04	26.20	26.80	25.83	26.03	25.55	
MAX	25.89	25.92	25.94	25.98	26.39	26.20	26.36	26.87	28.76	26.12	26.15	25.97	28.76
MIN	25.55	25.57	25.51	25.56	25.81	25.81	25.87	25.64	25.70	25.49	25.79	25.25	25.25

ANNUAL MAX MOMENTARY GAGE HEIGHT 28.80 M (MSL), AT 12.00 HOURS, ON DEC 5, 1983
ZERO GAGE AT BOTTOM ELEVATION 24.92 M (MSL), RIVER BED 24.62 M (MSL)
LEFT BANK ELEVATION 31.89 M (MSL)
RIGHT BANK ELEVATION 31.77 M (MSL), DRAINAGE AREA 88 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.58	0.06	0.86	0.78	0.54	0.86	1.32	2.14	1.87	2.90	6.45	4.64	
2	0.08	0.62	0.86	0.22	0.58	0.82	1.25	1.87	2.50	2.90	5.72	4.64	
3	0.06	0.58	0.86	0.09	1.18	0.78	1.11	1.87	2.23	1.74	5.45	4.64	
4	0.09	0.78	0.07	0.62	6.06	0.78	1.18	1.87	8.28	1.62	5.36	4.73	
5	0.86	0.70	0.34	0.78	1.69	0.78	1.11	4.32	68.10	1.68	6.23	4.64	
6	0.86	0.78	0.06	0.66	1.32	1.32	1.04	3.05	27.30	1.80	5.54	4.55	
7	0.86	0.78	0.54	0.03	1.18	1.18	1.25	2.41	17.64	1.50	5.54	0.10	
8	0.50	0.54	0.74	0.04	1.11	1.11	0.97	2.41	29.37	2.82	5.54	0.00	
9	0.78	0.74	0.90	0.05	0.97	1.04	0.78	2.32	32.46	3.46	5.45	0.00	
10	0.82	0.10	1.18	0.78	0.90	0.54	1.11	3.72	38.27	2.74	5.81	0.00	
11	0.86	0.66	1.18	0.10	0.90	0.97	1.18	12.72	27.53	2.15	6.01	0.00	
12	0.62	0.58	1.04	0.09	1.04	0.86	1.18	9.74	31.42	1.87	5.81	0.00	
13	0.08	0.82	0.90	0.82	0.97	0.78	1.53	4.80	54.60	1.62	5.27	0.00	
14	0.06	0.82	0.90	0.62	0.97	0.97	3.38	4.08	52.68	1.50	5.45	0.00	
15	0.78	0.86	0.97	0.06	0.97	1.04	1.18	8.92	65.66	1.32	5.36	0.00	
16	0.54	0.90	0.86	0.18	1.46	1.04	1.53	14.30	40.61	1.16	5.27	0.00	
17	0.03	0.62	0.90	0.97	1.46	1.04	1.46	9.24	22.70	4.73	5.27	0.00	
18	0.10	0.03	0.86	1.04	1.25	0.97	1.46	10.08	14.32	5.18	5.09	0.00	
19	0.06	0.08	0.86	1.46	1.11	0.86	1.46	9.57	10.62	5.18	5.09	0.00	
20	0.38	0.54	0.58	1.04	1.04	0.86	1.53	5.08	8.85	5.18	5.09	0.00	
21	0.46	0.78	0.06	0.86	1.04	0.90	1.53	3.96	6.56	5.18	5.00	0.00	
22	0.50	0.90	0.10	0.86	1.11	0.90	5.64	2.32	5.72	5.09	4.91	0.00	
23	0.07	0.78	0.22	0.86	0.90	1.04	5.22	0.22	5.36	5.45	4.91	0.00	
24	0.02	0.74	0.74	0.82	0.86	1.04	3.16	0.09	5.36	6.01	4.82	0.00	
25	0.05	0.74	0.86	0.50	0.78	0.97	2.72	0.07	4.82	5.45	4.82	0.97	
26	0.10	0.86	0.05	0.09	1.04	1.18	4.56	1.04	5.27	5.27	4.82	0.78	
27	0.22	0.54	0.01	0.07	0.97	3.60	3.49	2.05	4.02	5.27	4.91	0.90	
28	0.62	0.07	0.18	0.86	0.86	1.96	3.38	2.41	3.38	5.18	3.22	0.90	
29	0.62	0.42	0.82	1.04	0.70	1.60	2.83	2.32	3.14	5.18	4.55	0.50	
30	0.06	1.04	0.82	1.04	0.90	1.39	2.94	1.96	2.74	5.27		0.04	
31		0.97		0.90	0.54		2.50		2.50	6.12		0.03	
TOTAL	11.72	19.43	19.32	18.33	36.40	33.18	64.98	130.95	605.88	112.52	152.76	32.06	1237.53 CMSDAY
MEAN	0.39	0.63	0.64	0.59	1.17	1.11	2.10	4.37	19.54	3.63	5.27	1.03	3.38 CMS
MAX	0.86	1.04	1.18	1.46	6.06	3.60	5.64	14.30	68.10	6.12	6.45	4.73	68.10 CMS
MIN	0.02	0.03	0.01	0.03	0.54	0.54	0.78	0.07	1.87	1.16	3.22	0.00	0.00 CMS
RUNOFF	1.013	1.679	1.669	1.584	3.145	2.867	5.614	11.314	52.348	9.722	13.198	2.770	106.923 MCM

MOMENTARY PEAK 69.50 CMS, AT 28.80 M (MSL), AT 12.00 HOURS, ON DEC 5, 1983
RUNOFF YIELD 38.42 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 789.77 LITERS/SECOND/SQUARE KM

WATER YEAR 1983

SOUTHERN PENINSULA EAST COAST

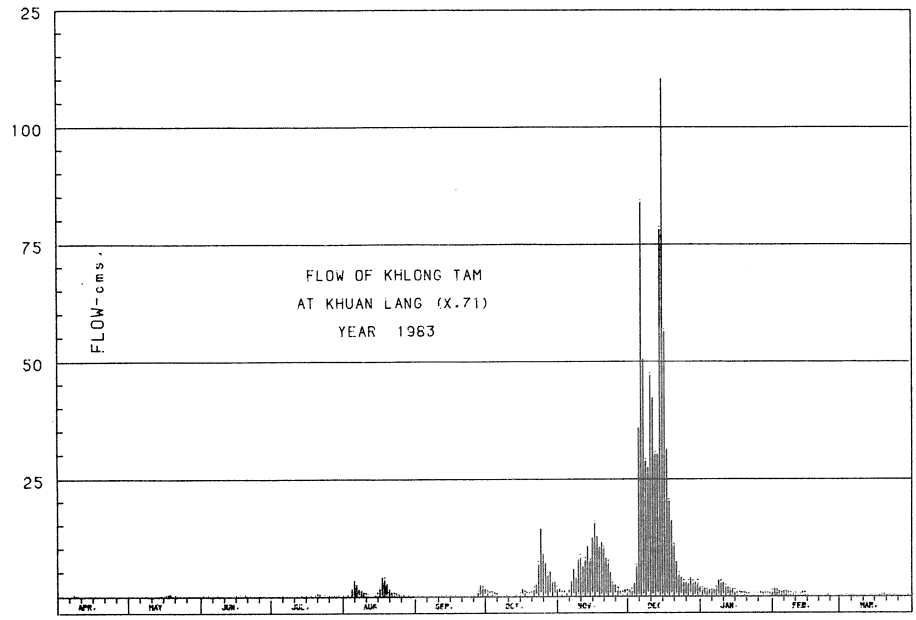
KHLONG TAM AT KHUAN LANG(3), SONGKHLA (X.71)

LOCATION	LAT. 6°-59'-55" N., LONG. 100°-25'-58" E., ON RIGHT BANK DOWNSTREAM SIDE OF THE BRIDGE OF PHET KASEM HIGHWAY AT KHUAN LANG(3), AMPHOE HAT YAI, SONGKHLA.
DRAINAGE AREA	127 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM	+0.00 M. (A.D.)
BENCH MARK	B.M.-H.D.
LOCATION	ON LEFT BANK ABOUT 12 METERS FROM THE BRIDGE.
ELEVATION	+6.569 M. (A.D.)
GAGE READING FREQUENCY	5-TIME DAILY READINGS AT 06.00, 09.00, 12.00, 15.00 AND 18.00 HOURS.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 5 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1967 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1967-1972, 1983 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1967-1972, 1983 TO DATE.
STABILITY OF CHANNEL REGIMES	STABLE.
OVERBANK FLOW CONDITIONS	OVERBANK FLOW STARTS AT ELEVATION +7.58 M.(A.D.), RECORDS ARE CHANNEL FLOW ONLY.
GENERAL DESCRIPTION	RECORDS GOOD. STAGE-DISCHARGE RELATION DEFINED BY 18 DISCHARGE MEASUREMENTS MADE IN 1983.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	1.45	1.40	1.54	1.43	1.69	1.53	2.18	2.27	2.16	2.38	2.28	1.63	
2	1.42	1.39	1.56	1.43	1.64	1.53	2.12	2.10	2.29	2.30	2.22	1.63	
3	1.40	1.39	1.53	1.48	1.68	1.53	2.09	2.13	2.65	2.27	2.12	1.64	
4	1.40	1.38	1.51	1.50	2.42	1.52	1.99	2.30	3.59	2.19	2.01	1.60	
5	1.40	1.39	1.51	1.48	2.84	1.50	1.88	2.18	6.78	2.22	2.09	1.62	
6	1.39	1.43	1.50	1.46	2.58	1.50	1.81	2.94	7.48	2.21	2.12	1.63	
7	1.73	1.45	1.49	1.47	2.26	1.49	1.73	3.40	7.08	2.42	2.04	1.60	
8	1.36	1.42	1.48	1.47	2.16	1.51	1.67	3.14	6.54	2.83	2.00	1.55	
9	1.38	1.42	1.46	1.44	2.02	1.63	1.59	3.79	6.44	2.82	1.93	1.51	
10	1.38	1.51	1.43	1.39	1.94	1.70	1.60	4.01	7.03	2.70	1.90	1.48	
11	1.37	1.47	1.42	1.42	1.91	1.68	1.59	3.50	6.93	2.56	1.86	1.42	
12	1.37	1.43	1.49	1.48	1.88	1.62	1.60	3.88	6.61	2.38	1.79	1.59	
13	1.37	1.58	1.48	1.50	1.82	1.60	1.60	4.31	6.59	2.30	2.00	1.60	
14	1.38	1.58	1.51	1.54	2.00	1.57	1.62	3.82	7.43	2.26	1.98	1.67	
15	1.37	1.61	1.62	1.56	2.01	1.61	1.95	4.60	7.67	2.24	1.82	1.61	
16	1.38	1.65	1.63	1.56	2.47	1.61	2.26	5.19	7.18	2.01	1.82	1.58	
17	1.38	1.74	1.61	1.55	3.00	1.59	2.14	4.65	6.63	2.05	1.70	1.88	
18	1.38	1.71	1.64	1.62	3.01	1.57	2.04	4.35	5.80	2.00	1.79	1.78	
19	1.38	1.67	1.64	1.63	2.64	1.58	1.94	4.44	5.20	1.97	1.70	1.72	
20	1.38	1.62	1.67	1.85	2.25	1.54	2.06	4.31	4.40	1.91	1.68	1.68	
21	1.38	1.59	1.63	1.77	2.01	1.57	2.43	3.86	3.71	1.84	1.69	1.64	
22	1.35	1.56	1.60	1.72	1.98	1.62	2.58	3.77	3.25	1.86	1.70	1.62	
23	1.36	1.50	1.58	1.69	1.90	1.70	3.73	3.25	2.99	1.93	1.68	1.59	
24	1.38	1.48	1.56	1.66	1.75	1.65	4.92	2.73	2.84	1.83	1.67	1.54	
25	1.38	1.46	1.53	1.64	1.69	1.62	4.14	2.55	2.70	1.87	1.65	1.51	
26	1.37	1.47	1.52	1.62	1.66	1.79	3.65	2.37	2.83	2.00	1.65	1.56	
27	1.38	1.44	1.50	1.67	1.62	2.15	3.26	2.08	2.96	1.93	1.59	1.55	
28	1.37	1.43	1.49	1.63	1.61	2.55	3.29	2.09	2.82	1.95	1.60	1.57	
29	1.43	1.46	1.45	1.61	1.58	2.47	2.90	2.20	2.72	1.93	1.61	1.59	
30	1.43	1.50	1.46	1.60	1.59	2.28	2.76	2.21	2.84	1.92		1.59	
31		1.51		1.68	1.56		2.47		2.38	2.20		1.61	
MEAN	1.40	1.50	1.53	1.57	2.04	1.69	2.37	3.28	4.79	2.17	1.85	1.61	
MAX	1.73	1.74	1.67	1.85	3.01	2.55	4.92	5.19	7.67	2.83	2.28	1.88	7.67
MIN	1.35	1.38	1.42	1.39	1.56	1.49	1.59	2.08	2.16	1.83	1.59	1.42	1.35

ANNUAL MAX MOMENTARY GAGE HEIGHT 7.79 M (A.D), AT 9.00 HOURS, ON DEC 15, 1983
ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D), RIVER BED 0.05 M (A.D)
LEFT BANK ELEVATION 7.57 M (A.D)
RIGHT BANK ELEVATION 7.75 M (A.D), DRAINAGE AREA 127 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.15	0.10	0.24	0.13	0.39	0.23	1.34	1.61	1.28	1.94	1.64	0.33	
2	0.12	0.10	0.26	0.13	0.34	0.23	1.16	1.10	1.67	1.70	1.46	0.33	
3	0.10	0.10	0.23	0.18	0.38	0.23	1.08	1.19	2.75	1.61	1.16	0.34	
4	0.10	0.09	0.21	0.20	2.06	0.22	0.88	1.70	6.75	1.37	0.92	0.30	
5	0.10	0.10	0.21	0.18	3.46	0.20	0.66	1.34	35.80	1.46	1.08	0.32	
6	0.10	0.13	0.20	0.16	2.54	0.20	0.52	3.86	84.42	1.43	1.16	0.33	
7	0.43	0.15	0.19	0.17	1.58	0.19	0.43	5.80	50.44	2.06	0.98	0.30	
8	0.08	0.12	0.18	0.17	1.28	0.21	0.37	4.66	29.20	3.42	0.90	0.25	
9	0.09	0.12	0.16	0.14	0.94	0.33	0.29	7.75	27.38	3.38	0.76	0.21	
10	0.09	0.21	0.13	0.10	0.78	0.40	0.30	8.86	47.54	2.90	0.70	0.18	
11	0.09	0.17	0.12	0.12	0.72	0.38	0.29	6.30	42.23	2.48	0.62	0.12	
12	0.09	0.13	0.19	0.18	0.66	0.32	0.30	8.20	30.70	1.94	0.49	0.29	
13	0.09	0.28	0.18	0.20	0.54	0.30	0.30	10.66	30.20	1.70	0.90	0.30	
14	0.09	0.28	0.21	0.24	0.90	0.27	0.32	7.90	78.72	1.58	0.86	0.37	
15	0.09	0.31	0.32	0.26	0.92	0.31	0.80	12.40	110.29	1.52	0.54	0.31	
16	0.09	0.35	0.33	0.26	2.21	0.31	1.58	16.03	56.88	0.92	0.54	0.28	
17	0.09	0.44	0.31	0.25	4.10	0.29	1.22	12.70	31.30	1.00	0.40	0.66	
18	0.09	0.41	0.34	0.32	4.14	0.27	0.98	10.90	20.70	0.90	0.49	0.48	
19	0.09	0.37	0.34	0.33	2.72	0.28	0.78	11.44	16.10	0.84	0.40	0.42	
20	0.09	0.32	0.37	0.60	1.55	0.24	1.02	10.66	11.20	0.72	0.38	0.38	
21	0.09	0.29	0.33	0.47	0.92	0.27	2.09	8.10	7.35	0.58	0.39	0.34	
22	0.08	0.26	0.30	0.42	0.86	0.32	2.54	7.65	5.10	0.62	0.40	0.32	
23	0.08	0.20	0.28	0.39	0.70	0.40	7.45	5.10	4.06	0.76	0.38	0.29	
24	0.09	0.18	0.26	0.36	0.45	0.35	14.32	3.02	3.46	0.56	0.37	0.24	
25	0.09	0.16	0.23	0.34	0.39	0.32	9.64	2.45	2.90	0.64	0.35	0.21	
26	0.09	0.17	0.22	0.32	0.36	0.49	7.05	1.91	3.42	0.90	0.35	0.26	
27	0.09	0.14	0.20	0.37	0.32	1.25	5.14	1.06	3.94	0.76	0.29	0.25	
28	0.09	0.13	0.19	0.33	0.31	2.45	5.26	1.08	3.38	0.80	0.30	0.27	
29	0.13	0.16	0.15	0.31	0.28	2.21	3.70	1.40	2.98	0.76	0.31	0.29	
30	0.13	0.20	0.16	0.30	0.29	1.64	3.14	1.43	3.46	0.74		0.29	
31		0.21		0.38	0.26		2.21		1.94	1.40		0.31	
TOTAL	3.22	6.38	7.04	8.31	37.35	15.11	77.16	178.26	757.54	43.39	19.52	9.57	1162.85 CMSDAY
MEAN	0.11	0.21	0.23	0.27	1.20	0.50	2.49	5.94	24.44	1.40	0.67	0.31	3.18 CMS
MAX	0.43	0.44	0.37	0.60	4.14	2.45	14.32	16.03	110.29	3.42	1.64	0.66	110.29 CMS
MIN	0.08	0.09	0.12	0.10	0.26	0.19	0.29	1.06	1.28	0.56	0.29	0.12	0.08 CMS
RUNOFF	0.278	0.551	0.608	0.718	3.227	1.306	6.667	15.402	65.451	3.749	1.687	0.827	100.470 MCM

MOMENTARY PEAK 133.75 CMS, AT 7.79 M (A.D), AT 9.00 HOURS, ON DEC 15, 1983

RUNOFF YIELD 25.02 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 1053.15 LITERS/SECOND/SQUARE KM

WATER YEAR 1983

SOUTHERN PENINSULA EAST COAST

KHLONG U TAPHAO AT BAN BANG SALA, SONGKHLA (X.90)

LOCATION — LAT. 6°-55'-39" N., LONG. 100°-26'-37" E., ON LEFT BANK ABOUT 5 METERS UPSTREAM FROM THE BRIDGE ON HIGHWAY AND NEAR THE PHATTHANA TAMBON STREET, AMPHOE HAT YAI, SONGKHLA.

DRAINAGE AREA — 1,562 SQ.KM.

TYPE OF GAGE — STAFF GAGE.

ZERO GAGE AT BOTTOM — +0.00 M. (A.D.)

BENCH MARK — B.M.-H.D.

LOCATION — B.M.1 ON RIGHT BANK ABOUT 46 METERS FROM THE GAGE LINE, B.M.2 ON LEFT BANK ABOUT 68 METERS FROM THE GAGE LINE.

ELEVATION — B.M.1=+5.909 M. (A.D.), B.M.2=+7.651 M. (A.D.)

GAGE READING FREQUENCY — 5-TIME DAILY READINGS AT 06.00, 09.00, 12.00, 15.00 AND 18.00 HOURS.

BASIS OF MEAN DAILY GAGE HEIGHT — ARITHMETIC MEAN OF 5 READINGS.

PERIOD OF AVAILABLE GAGE RECORDS — 1971 TO DATE.

RATING OPERATION

PERIOD OF RATING — 1971-1972, 1979 TO DATE.

RATED BY FLOAT — -

RATED BY CURRENT METER — 1971-1972, 1979 TO DATE.

STABILITY OF CHANNEL REGIMES — STABLE.

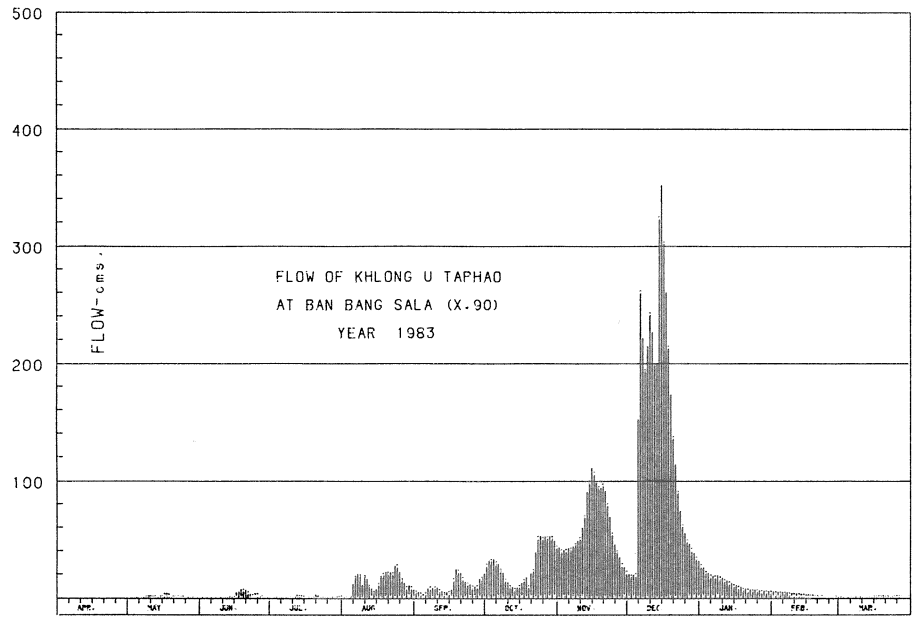
OVERBANK FLOW CONDITIONS — NO OVERBANK FLOW.

GENERAL DESCRIPTION — RECORDS FAIR. STAGE-DISCHARGE RELATION DEFINED BY 41 DISCHARGE MEASUREMENT MADE IN 1983.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.82	0.66	0.90	0.93	0.99	1.65	3.19	3.89	2.70	3.17	1.58	1.07	
2	0.81	0.68	0.87	0.91	0.91	1.54	3.33	3.81	2.66	3.04	1.57	1.06	
3	0.70	0.81	0.83	0.88	0.86	1.48	3.39	3.78	2.66	2.87	1.55	1.05	
4	0.79	0.82	0.83	0.86	1.13	1.38	3.39	3.81	2.74	2.77	1.56	1.05	
5	0.78	0.73	0.86	0.89	2.12	1.51	3.30	3.86	7.19	2.68	1.55	1.05	
6	0.78	0.73	0.85	0.84	2.59	1.84	3.19	3.88	8.26	2.60	1.54	1.04	
7	0.76	0.87	0.84	0.85	2.72	1.96	2.98	3.93	7.93	2.60	1.53	1.02	
8	0.74	1.04	0.81	0.98	2.68	1.89	2.78	4.06	7.68	2.64	1.47	0.99	
9	0.72	1.12	0.80	0.99	2.07	1.96	2.42	4.17	7.87	2.56	1.45	0.97	
10	0.71	1.13	0.82	1.01	2.63	1.91	2.22	4.31	8.11	2.48	1.43	0.96	
11	0.70	1.10	0.84	1.05	2.42	1.76	2.06	4.67	7.97	2.40	1.41	0.95	
12	0.70	1.06	0.89	1.29	2.05	1.62	1.94	5.10	7.73	2.33	1.39	0.94	
13	0.70	1.12	1.06	1.24	1.85	1.52	1.88	5.81	7.73	2.26	1.38	0.93	
14	0.70	1.12	1.04	1.22	1.60	1.53	1.91	6.09	8.70	2.18	1.35	0.97	
15	0.70	1.20	1.04	1.10	1.78	1.61	2.04	6.39	8.86	2.11	1.32	1.10	
16	0.70	1.40	1.49	1.04	2.18	1.74	2.18	6.30	8.57	2.07	1.30	1.14	
17	0.70	1.46	1.54	0.99	2.60	2.45	2.40	6.05	8.25	2.00	1.28	1.11	
18	0.70	1.39	1.78	1.00	2.77	2.97	2.52	5.96	7.87	1.96	1.25	1.14	
19	0.70	1.19	1.79	0.96	2.84	2.94	2.03	5.93	7.45	1.87	1.23	1.13	
20	0.69	1.04	1.72	1.30	2.83	2.77	2.75	6.02	6.98	1.83	1.22	1.12	
21	0.69	1.16	1.60	1.16	2.80	2.52	2.97	5.85	6.47	1.79	1.21	1.10	
22	0.67	1.14	1.36	1.01	2.81	2.26	3.69	5.49	5.84	1.75	1.19	1.09	
23	0.66	1.12	1.32	0.96	3.11	2.20	4.36	5.05	5.25	1.72	1.17	1.14	
24	0.65	1.01	1.44	0.92	3.16	2.12	4.36	4.48	4.79	1.75	1.15	1.18	
25	0.69	0.97	1.43	0.88	2.83	2.03	4.32	4.02	4.47	1.72	1.13	1.17	
26	0.70	0.91	1.30	0.89	2.45	1.99	4.35	3.76	4.22	1.68	1.10	1.18	
27	0.71	0.90	1.17	0.95	2.19	2.04	4.34	3.47	4.04	1.67	1.09	1.18	
28	0.70	0.92	1.07	1.00	1.98	2.43	4.35	3.21	3.86	1.65	1.07	1.16	
29	0.68	0.87	1.01	0.99	2.04	2.53	4.36	3.05	3.65	1.63	1.08	1.15	
30	0.69	0.85	0.97	1.10	2.00	2.74	4.18	2.88	3.49	1.62		1.14	
31		0.91		1.08	1.75		3.96		3.32	1.61		1.13	
MEAN	0.71	1.01	1.14	1.01	2.22	2.03	3.13	4.64	6.04	2.16	1.33	1.08	
MAX	0.82	1.46	1.79	1.30	3.16	2.97	4.36	6.39	8.86	3.17	1.58	1.18	8.86
MIN	0.65	0.66	0.80	0.84	0.86	1.38	1.88	2.88	2.66	1.61	1.07	0.93	0.65

ANNUAL MAX MOMENTARY GAGE HEIGHT 8.90 M (A.D), AT 6.00 HOURS, ON DEC 15, 1983
ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D), RIVER BED 0.02 M (A.D)
LEFT BANK ELEVATION 10.88 M (A.D)
RIGHT BANK ELEVATION 11.47 M (A.D), DRAINAGE AREA 1562 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.88	0.24	1.20	1.32	1.56	6.50	29.30	43.30	20.60	28.90	5.80	1.88	
2	0.84	0.32	1.08	1.24	1.24	5.40	32.10	41.70	20.02	26.30	5.70	1.84	
3	0.40	0.84	0.92	1.12	1.04	4.80	33.30	41.10	20.02	23.06	5.50	1.80	
4	0.76	0.88	0.92	1.04	2.12	3.80	33.30	41.70	21.18	21.61	5.60	1.80	
5	0.72	0.52	1.04	1.16	12.19	5.10	31.50	42.70	152.30	20.31	5.50	1.80	
6	0.72	0.52	1.00	0.96	19.00	8.40	29.30	43.10	261.80	19.15	5.40	1.76	
7	0.64	1.08	0.96	1.00	20.89	9.87	25.10	44.10	221.60	19.15	5.30	1.68	
8	0.56	1.76	0.84	1.52	20.31	8.90	21.76	46.70	195.00	19.73	4.70	1.56	
9	0.48	2.08	0.80	1.56	11.46	9.87	16.54	48.90	214.70	18.57	4.50	1.48	
10	0.44	2.12	0.88	1.64	19.59	9.14	13.64	51.92	243.20	17.41	4.30	1.44	
11	0.40	2.00	0.96	1.80	16.54	7.60	11.32	60.01	226.40	16.25	4.10	1.40	
12	0.40	1.84	1.16	2.94	11.17	6.20	9.58	70.50	200.00	15.23	3.90	1.36	
13	0.40	2.08	1.84	2.64	8.50	5.20	8.80	90.30	200.00	14.22	3.80	1.32	
14	0.40	2.08	1.76	2.52	6.00	5.30	9.14	99.97	325.00	13.06	3.50	1.48	
15	0.40	2.40	1.76	2.00	7.80	6.10	11.03	110.97	352.20	12.04	3.20	2.00	
16	0.40	4.00	4.90	1.76	13.06	7.40	13.06	107.67	303.80	11.46	3.00	2.16	
17	0.40	4.60	5.40	1.56	19.15	16.97	16.25	98.50	260.50	10.45	2.88	2.04	
18	0.40	3.90	7.80	1.60	21.61	24.90	17.99	95.20	214.70	9.87	2.70	2.16	
19	0.40	2.36	7.90	1.44	22.63	24.30	10.88	94.10	173.50	8.70	2.58	2.12	
20	0.36	1.76	7.20	3.00	22.48	21.61	21.32	97.40	137.80	8.30	2.52	2.08	
21	0.36	2.24	6.00	2.24	22.05	17.99	24.90	91.50	113.90	7.90	2.46	2.00	
22	0.28	2.16	3.60	1.64	22.19	14.22	39.30	80.70	91.20	7.50	2.36	1.96	
23	0.24	2.08	3.20	1.44	27.70	13.35	53.02	69.25	74.25	7.20	2.28	2.16	
24	0.20	1.64	4.40	1.28	28.70	12.19	53.02	55.66	62.77	7.50	2.20	2.32	
25	0.36	1.48	4.30	1.12	22.48	10.88	52.14	45.90	55.44	7.20	2.12	2.28	
26	0.40	1.24	3.00	1.16	16.97	10.31	52.80	40.70	49.94	6.80	2.00	2.32	
27	0.44	1.20	2.28	1.40	13.21	11.03	52.58	34.90	46.30	6.70	1.96	2.32	
28	0.40	1.28	1.88	1.60	10.16	16.69	52.80	29.70	42.70	6.50	1.88	2.24	
29	0.32	1.08	1.64	1.56	11.03	18.13	53.02	26.50	38.50	6.30	1.92	2.20	
30	0.36	1.00	1.48	2.00	10.45	21.18	49.10	23.21	35.30	6.20		2.16	
31		1.24		1.92	7.50		44.70		31.90	6.10		2.12	
TOTAL	13.76	54.02	82.10	51.18	450.78	343.33	922.59	1867.86	4406.52	409.67	103.66	59.24	8764.71 CMSDAY
MEAN	0.46	1.74	2.74	1.65	14.54	11.44	29.76	62.26	142.15	13.22	3.57	1.91	23.95 CMS
MAX	0.88	4.60	7.90	3.00	28.70	24.90	53.02	110.97	352.20	28.90	5.80	2.32	352.20 CMS
MIN	0.20	0.24	0.80	0.96	1.04	3.80	8.80	23.21	20.02	6.10	1.88	1.32	0.20 CMS
RUNOFF	1.189	4.667	7.093	4.422	38.947	29.664	79.712	161.383	380.723	35.395	8.956	5.118	757.271 MCM

MOMENTARY PEAK 359.00 CMS, AT 8.90 M (A.D), AT 6.00 HOURS, ON DEC 15, 1983

RUNOFF YIELD 15.33 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 229.83 LITERS/SECOND/SQUARE KM

WATER YEAR 1983

SOUTHERN PENINSULA EAST COAST

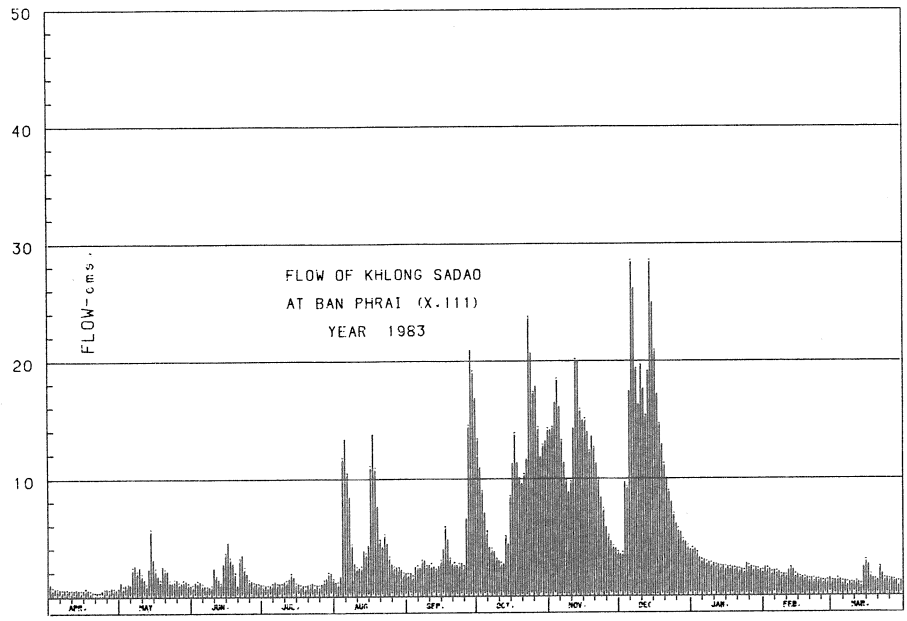
KHLONG SADAO AT BAN PHRAI, SONGKHLA (X.111)

LOCATION	LAT. 6°-39'-37" N., LONG. 100°-26'-09" E., ON LEFT BANK AT BAN PHRAI, AMPHOE SADAO, SONGKHLA.
DRAINAGE AREA	256 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM	+0.00 M. (A.D.)
BENCH MARK	B.M.-H.D.
LOCATION	NEAR THE TOP OF STAFF GAGE.
ELEVATION	+5.698 M.(A.D.)
GAGE READING FREQUENCY	5-TIME DAILY READINGS AT 06.00, 09.00, 12.00, 15.00 AND 18.00 HOURS.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 5 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1979 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1979 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1979 TO DATE.
STABILITY OF CHANNEL REGIMES	STABLE.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS FAIR. STAGE-DISCHARGE RELATION DEFINED BY 39 DISCHARGE MEASUREMENTS MADE IN 1983.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.57	0.60	0.56	0.56	0.60	0.73	3.54	3.61	1.56	1.77	0.84	0.62	
2	0.52	0.54	0.60	0.55	0.60	0.73	3.25	3.63	1.63	1.73	0.81	0.62	
3	0.50	0.56	0.62	0.55	0.68	0.70	2.92	3.76	3.05	1.64	0.78	0.65	
4	0.49	0.57	0.61	0.55	3.37	0.90	2.54	3.86	2.99	1.43	0.75	0.63	
5	0.48	0.56	0.58	0.58	3.54	1.01	2.19	3.74	3.81	1.37	0.76	0.61	
6	0.47	0.88	0.54	0.61	3.18	0.82	1.79	3.53	4.19	1.34	0.76	0.61	
7	0.47	1.04	0.53	0.58	2.81	1.35	1.76	3.31	4.13	1.29	0.74	0.60	
8	0.47	0.76	0.52	0.58	1.88	1.33	1.65	3.08	3.90	1.24	0.71	0.59	
9	0.46	0.87	0.55	0.58	1.20	1.02	1.41	2.89	3.75	1.22	0.71	0.59	
10	0.46	0.72	0.80	0.61	0.91	1.06	1.32	3.06	3.91	1.18	0.70	0.59	
11	0.46	0.64	0.69	0.63	0.80	1.20	1.25	3.62	3.82	1.09	0.76	0.61	
12	0.47	0.57	0.64	0.65	0.94	0.93	1.16	3.93	3.70	1.06	0.83	0.59	
13	0.46	0.79	0.59	0.73	1.68	0.79	2.08	3.92	3.89	0.99	0.77	0.57	
14	0.45	2.23	1.16	0.67	1.61	0.96	1.88	3.73	4.19	0.97	0.72	0.83	
15	0.46	1.38	1.62	0.59	1.84	1.34	2.83	3.67	4.10	0.94	0.70	1.34	
16	0.50	0.80	1.93	0.58	3.27	1.72	3.30	3.68	3.96	0.90	0.68	1.05	
17	0.47	0.69	1.45	0.56	3.58	2.28	3.59	3.60	3.80	0.86	0.67	0.71	
18	0.45	0.64	1.20	0.55	3.25	2.01	3.31	3.44	3.65	0.84	0.67	0.65	
19	0.42	0.96	0.74	0.54	2.65	1.42	3.11	3.56	3.49	0.82	0.66	0.64	
20	0.41	0.79	0.55	0.56	2.01	1.12	3.03	3.47	3.30	0.80	0.65	0.62	
21	0.40	0.76	1.40	0.57	1.80	1.24	3.17	3.30	3.11	0.79	0.65	0.90	
22	0.40	0.63	1.54	0.59	2.12	1.05	3.35	3.11	2.92	0.78	0.65	0.71	
23	0.45	0.59	0.90	0.56	1.90	1.19	4.06	2.80	2.72	0.77	0.64	0.65	
24	0.48	0.64	0.72	0.56	1.50	1.21	3.95	2.62	2.53	1.16	0.64	0.65	
25	0.50	0.64	0.64	0.55	1.12	1.03	3.81	2.27	2.34	1.03	0.63	0.64	
26	0.47	0.60	0.62	0.57	0.95	2.44	3.83	2.10	2.25	0.91	0.62	0.64	
27	0.51	0.59	0.60	0.63	0.88	3.64	3.63	1.96	2.16	0.83	0.62	0.63	
28	0.50	0.63	0.59	0.65	0.85	3.96	3.38	1.84	2.02	0.81	0.63	0.61	
29	0.47	0.62	0.58	0.74	0.78	3.89	3.49	1.75	1.94	0.79	0.65	0.61	
30	0.50	0.59	0.57	0.73	0.74	3.78	3.52	1.66	1.85	0.77		0.61	
31		0.55		0.65	0.73		3.62		1.71	0.77		0.64	
MEAN	0.47	0.76	0.82	0.60	1.73	1.56	2.83	3.15	3.11	1.06	0.70	0.68	
MAX	0.57	2.23	1.93	0.74	3.58	3.96	4.06	3.93	4.19	1.77	0.84	1.34	4.19
MIN	0.40	0.54	0.52	0.54	0.60	0.70	1.16	1.66	1.56	0.77	0.62	0.57	0.40

ANNUAL MAX MOMENTARY GAGE HEIGHT 4.23 M (A.D), AT 18.00 HOURS, ON DEC 14, 1983
ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D), RIVER BED 0.00 M (A.D)
LEFT BANK ELEVATION 7.59 M (A.D)
RIGHT BANK ELEVATION 7.86 M (A.D), DRAINAGE AREA 256 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	1.05	1.20	1.00	1.00	1.20	1.98	13.40	14.14	3.56	4.12	2.44	1.32	
2	0.80	0.90	1.20	0.95	1.20	1.98	10.95	14.42	3.75	4.01	2.41	1.32	
3	0.70	1.00	1.32	0.95	1.68	1.80	9.00	16.48	9.70	3.77	2.28	1.50	
4	0.67	1.05	1.26	0.95	11.79	2.50	7.10	18.52	9.35	3.26	2.10	1.38	
5	0.63	1.00	1.10	1.10	13.40	2.61	5.56	16.12	17.42	3.14	2.16	1.26	
6	0.59	2.48	0.90	1.26	10.48	2.42	4.17	13.30	28.60	3.08	2.16	1.26	
7	0.59	2.64	0.85	1.10	8.45	3.10	4.09	11.37	26.20	2.98	2.04	1.20	
8	0.59	2.16	0.80	1.10	4.44	3.06	3.80	9.88	19.40	2.88	1.86	1.15	
9	0.56	2.47	0.95	1.10	2.80	2.62	3.22	8.85	16.30	2.84	1.86	1.15	
10	0.56	1.92	2.40	1.26	2.51	2.66	3.04	9.76	19.66	2.78	1.80	1.15	
11	0.56	1.44	1.74	1.38	2.40	2.80	2.90	14.28	17.64	2.69	2.16	1.26	
12	0.59	1.05	1.44	1.50	2.54	2.53	2.76	20.18	15.40	2.66	2.43	1.15	
13	0.56	2.34	1.15	1.98	3.88	2.34	5.12	19.92	19.18	2.59	2.22	1.05	
14	0.52	5.72	2.76	1.62	3.69	2.56	4.44	15.94	28.60	2.57	1.92	2.43	
15	0.56	3.16	3.72	1.15	4.32	3.08	8.55	14.98	25.00	2.54	1.80	3.08	
16	0.70	2.40	4.59	1.10	11.09	3.99	11.30	15.12	20.96	2.50	1.68	2.65	
17	0.59	1.74	3.30	1.00	13.80	5.92	13.90	14.00	17.20	2.46	1.62	1.86	
18	0.52	1.44	2.80	0.95	10.95	4.84	11.37	12.40	14.70	2.44	1.62	1.50	
19	0.42	2.56	2.04	0.90	7.65	3.24	10.06	13.60	12.90	2.42	1.56	1.44	
20	0.38	2.34	0.95	1.00	4.84	2.72	9.58	12.70	11.30	2.40	1.50	1.32	
21	0.35	2.16	3.20	1.05	4.20	2.88	10.42	11.30	10.06	2.34	1.50	2.50	
22	0.35	1.38	3.51	1.15	5.28	2.65	11.65	10.06	9.00	2.28	1.50	1.86	
23	0.52	1.15	2.50	1.00	4.50	2.79	23.80	8.40	8.00	2.22	1.44	1.50	
24	0.63	1.44	1.92	1.00	3.40	2.82	20.70	7.50	7.05	2.76	1.44	1.50	
25	0.70	1.44	1.44	0.95	2.72	2.63	17.42	5.88	6.16	2.63	1.38	1.44	
26	0.59	1.20	1.32	1.05	2.55	6.60	17.86	5.20	5.80	2.51	1.32	1.44	
27	0.75	1.15	1.20	1.38	2.48	14.56	14.42	4.68	5.44	2.43	1.32	1.38	
28	0.70	1.38	1.15	1.50	2.45	20.96	11.86	4.32	4.88	2.41	1.38	1.26	
29	0.59	1.32	1.10	2.04	2.28	19.18	12.90	4.07	4.62	2.34	1.50	1.26	
30	0.70	1.15	1.05	1.98	2.04	16.84	13.20	3.83	4.35	2.22		1.26	
31		0.95		1.50	1.98		14.28		3.96	2.22		1.44	
TOTAL	18.02	55.73	54.66	37.95	156.99	150.66	312.82	351.20	406.14	84.49	52.40	47.27	1728.33 CMSDAY
MEAN	0.60	1.80	1.82	1.22	5.06	5.02	10.09	11.71	13.10	2.73	1.81	1.52	4.72 CMS
MAX	1.05	5.72	4.59	2.04	13.80	20.96	23.80	20.18	28.60	4.12	2.44	3.08	28.60 CMS
MIN	0.35	0.90	0.80	0.90	1.20	1.80	2.76	3.83	3.56	2.22	1.32	1.05	0.35 CMS
RUNOFF	1.557	4.815	4.723	3.279	13.564	13.017	27.028	30.344	35.090	7.300	4.527	4.084	149.328 MCM

MOMENTARY PEAK 30.20 CMS, AT 4.23 M (A.D), AT 18.00 HOURS, ON DEC 14, 1983
RUNOFF YIELD 18.45 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 117.97 LITERS/SECOND/SQUARE KM

WATER YEAR 1983

SOUTHERN PENINSULA EAST COAST

KHLONG LAM AT BAN PRIK (1), SONGKHLA (X.112)

LOCATION	LAT. 6°-42'-11" N., LONG. 100°-26'-10" E., ON RIGHT BANK AT BAN PRIK (1), AMPHOE SADAO, SONGKHLA.
DRAINAGE AREA	493 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM	+0.00 M. (A.D.)
BENCH MARK	B.M.-H.D.
LOCATION	ON RIGHT BANK ABOUT 15 METERS FROM THE TOP OF STAFF GAGE.
ELEVATION	+5.533 M.(A.D.)
GAGE READING FREQUENCY	5-TIME DAILY READINGS AT 06.00, 09.00, 12.00, 15.00 AND 18.00 HOURS.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 5 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1979 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1979 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1979 TO DATE.
STABILITY OF CHANNEL REGIMES	STABLE.
OVERBANK FLOW CONDITIONS	OVERBANK FLOW STARTS AT ELEVATION +6.34 M.(A.D.), RECORDS ARE CHANNEL FLOW ONLY.
GENERAL DESCRIPTION	RECORDS GOOD. STAGE-DISCHARGE RELATION DEFINED BY 49 DISCHARGE MEASUREMENTS MADE IN 1983.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

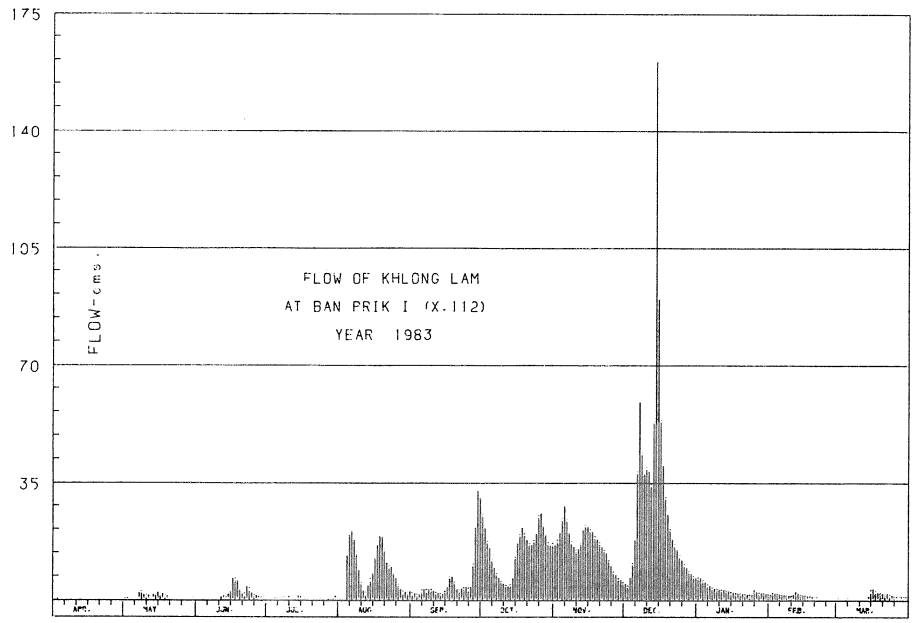
DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	1.11	1.29	1.19	1.28	1.20	2.17	5.66	4.95	2.95	3.43	1.83	1.30	
2	1.09	1.22	1.17	1.22	1.15	1.99	5.43	5.19	2.82	3.39	2.05	1.29	
3	1.04	1.08	1.35	1.19	1.31	1.90	5.14	5.34	3.40	3.25	2.00	1.31	
4	0.99	0.94	1.29	1.33	4.65	1.85	4.84	5.59	4.19	3.07	1.93	1.28	
5	0.97	0.90	1.17	1.29	5.30	2.46	4.39	5.76	5.17	2.91	1.85	1.27	
6	0.96	1.26	1.12	1.34	5.43	2.55	4.00	5.58	6.04	2.81	1.83	1.24	
7	0.96	2.06	1.10	1.35	5.19	2.51	3.71	5.33	6.30	2.67	1.76	1.20	
8	0.94	2.29	1.08	1.45	4.68	2.52	3.41	5.13	6.14	2.59	1.69	1.19	
9	0.93	1.78	1.14	1.41	3.90	2.52	3.16	4.89	6.02	2.54	1.63	1.17	
10	0.92	1.82	1.18	1.50	3.07	2.32	2.95	4.76	6.07	2.50	1.67	1.15	
11	0.92	1.66	1.82	1.52	2.37	2.19	2.86	4.79	6.04	2.46	1.82	1.13	
12	0.91	1.58	1.60	1.43	2.18	2.08	2.75	5.06	5.95	2.45	2.16	1.12	
13	0.94	1.79	1.45	1.64	2.82	2.00	2.91	5.39	6.24	2.38	1.97	1.12	
14	0.92	2.21	1.87	1.59	3.37	1.91	3.37	5.49	6.71	2.30	1.82	1.54	
15	0.92	2.11	2.63	1.49	3.70	2.31	4.46	5.45	6.47	2.20	1.74	2.49	
16	0.92	2.01	3.34	1.41	4.53	2.70	5.03	5.41	6.25	2.13	1.66	2.57	
17	0.91	1.93	3.37	1.30	4.96	3.48	5.31	5.36	6.08	2.06	1.59	2.34	
18	0.90	1.76	3.17	1.24	5.33	3.48	5.44	5.27	5.85	2.01	1.54	2.13	
19	0.98	1.56	2.65	1.22	5.26	3.10	5.33	5.20	5.65	1.97	1.49	2.04	
20	0.98	1.49	1.90	1.20	4.80	2.50	5.18	5.08	5.41	1.92	1.45	1.96	
21	0.92	1.39	2.02	1.17	4.21	2.54	5.05	4.88	5.20	1.87	1.43	2.01	
22	0.90	1.31	2.73	1.12	4.09	2.59	4.96	4.76	5.00	1.83	1.43	1.99	
23	0.88	1.24	2.65	1.06	4.03	2.68	5.17	4.61	4.75	1.82	1.41	1.85	
24	0.87	1.22	2.06	1.03	3.82	2.74	5.32	4.32	4.54	1.81	1.37	1.73	
25	1.00	1.23	1.79	1.01	3.38	2.66	5.64	4.07	4.32	2.42	1.32	1.59	
26	0.98	1.22	1.63	1.05	2.94	2.73	5.67	3.80	4.15	2.22	1.28	1.53	
27	0.90	1.21	1.52	1.41	2.53	4.16	5.51	3.60	4.00	2.11	1.28	1.57	
28	0.87	1.21	1.43	1.40	2.32	5.44	5.29	3.37	3.84	2.05	1.27	1.54	
29	0.88	1.33	1.37	1.56	2.21	5.92	5.08	3.24	3.68	1.99	1.31	1.48	
30	1.00	1.33	1.34	1.58	2.15	5.84	4.94	3.09	3.53	1.91		1.52	
31		1.22		1.38	2.25		5.05		3.39	1.84		1.60	
MEAN	0.95	1.50	1.80	1.33	3.52	2.86	4.61	4.83	5.04	2.35	1.64	1.59	
MAX	1.11	2.29	3.37	1.64	5.43	5.92	5.67	5.76	6.71	3.43	2.16	2.57	6.71
MIN	0.87	0.90	1.08	1.01	1.15	1.85	2.75	3.09	2.82	1.81	1.27	1.12	0.87

ANNUAL MAX MOMENTARY GAGE HEIGHT 6.79 M (A.D), AT 18.00 HOURS, ON DEC 14, 1983

ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D), RIVER BED -0.02 M (A.D)

LEFT BANK ELEVATION 6.33 M (A.D)

RIGHT BANK ELEVATION 6.46 M (A.D), DRAINAGE AREA 493 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.37	0.68	0.49	0.66	0.50	2.44	25.70	16.35	4.90	6.82	1.76	0.70	
2	0.34	0.54	0.45	0.54	0.42	2.08	21.48	18.03	4.38	6.66	2.20	0.68	
3	0.26	0.32	0.80	0.49	0.72	1.90	17.68	20.10	6.70	6.10	2.10	0.72	
4	0.19	0.14	0.68	0.76	14.25	1.80	15.58	24.31	11.03	5.38	1.96	0.66	
5	0.17	0.10	0.45	0.68	19.50	3.15	12.43	28.00	17.89	4.74	1.80	0.64	
6	0.16	0.62	0.38	0.78	21.48	3.38	9.70	24.12	38.30	4.34	1.76	0.58	
7	0.16	2.22	0.35	0.80	18.03	3.28	8.05	19.95	59.00	3.78	1.62	0.50	
8	0.14	2.73	0.32	1.00	14.46	3.30	6.74	17.61	44.00	3.48	1.48	0.49	
9	0.13	1.66	0.41	0.92	9.00	3.30	5.74	15.93	37.40	3.35	1.36	0.45	
10	0.12	1.74	0.47	1.10	5.38	2.80	4.90	15.02	39.65	3.25	1.44	0.42	
11	0.12	1.42	1.74	1.14	2.92	2.48	4.54	15.23	38.30	3.15	1.74	0.39	
12	0.11	1.26	1.30	0.96	2.46	2.26	4.10	17.12	34.50	3.13	2.42	0.38	
13	0.14	1.68	1.00	1.38	4.38	2.10	4.74	20.85	52.70	2.95	2.04	0.38	
14	0.12	2.53	1.84	1.28	6.58	1.92	6.58	22.44	161.40	2.75	1.74	1.18	
15	0.12	2.32	3.62	1.08	8.00	2.78	12.92	21.80	89.70	2.50	1.58	3.23	
16	0.12	2.12	6.46	0.92	13.41	3.90	16.91	21.16	53.75	2.36	1.42	3.43	
17	0.11	1.96	6.58	0.70	16.42	7.02	19.65	20.40	40.10	2.22	1.28	2.85	
18	0.10	1.62	5.78	0.58	19.95	7.02	21.64	19.08	30.75	2.12	1.18	2.36	
19	0.18	1.22	3.70	0.54	18.94	5.50	19.95	18.10	25.50	2.04	1.08	2.18	
20	0.18	1.08	1.90	0.50	15.30	3.25	17.96	17.26	21.16	1.94	1.00	2.02	
21	0.12	0.88	2.14	0.45	11.17	3.35	17.05	15.86	18.10	1.84	0.96	2.12	
22	0.10	0.72	4.02	0.38	10.33	3.48	16.42	15.02	16.70	1.76	0.96	2.08	
23	0.08	0.58	3.70	0.29	9.91	3.82	17.89	13.97	14.95	1.74	0.92	1.80	
24	0.07	0.54	2.22	0.24	8.60	4.06	19.80	11.94	13.48	1.72	0.84	1.56	
25	0.20	0.56	1.68	0.21	6.62	3.74	25.30	10.19	11.94	3.05	0.74	1.28	
26	0.18	0.54	1.36	0.27	4.86	4.02	25.90	8.50	10.75	2.55	0.66	1.16	
27	0.10	0.52	1.14	0.92	3.33	10.82	22.79	7.50	9.70	2.32	0.66	1.24	
28	0.07	0.52	0.96	0.90	2.80	21.64	19.36	6.58	8.70	2.20	0.64	1.18	
29	0.08	0.76	0.84	1.22	2.53	33.30	17.26	6.06	7.90	2.08	0.72	1.06	
30	0.20	0.76	0.78	1.26	2.40	30.40	16.28	5.46	7.22	1.92		1.14	
31		0.54		0.86	2.63		17.05		6.66	1.78		1.30	
TOTAL	4.54	34.88	57.56	23.81	277.28	184.29	472.09	493.94	937.21	96.02	40.06	40.16	2661.84 CMSDAY
MEAN	0.15	1.13	1.92	0.77	8.94	6.14	15.23	16.46	30.23	3.10	1.38	1.30	7.27 CMS
MAX	0.37	2.73	6.58	1.38	21.48	33.30	25.90	28.00	161.40	6.82	2.42	3.43	161.40 CMS
MIN	0.07	0.10	0.32	0.21	0.42	1.80	4.10	5.46	4.38	1.72	0.64	0.38	0.07 CMS
RUNOFF	0.392	3.014	4.973	2.057	23.957	15.923	40.789	42.676	80.975	8.296	3.461	3.470	229.983 MCM

MOMENTARY PEAK 204.60 CMS, AT 6.79 M (A.D), AT 18.00 HOURS, ON DEC 14, 1983

RUNOFF YIELD 14.75 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 415.01 LITERS/SECOND/SQUARE KM

WATER YEAR 1983

SOUTHERN PENINSULA EAST COAST

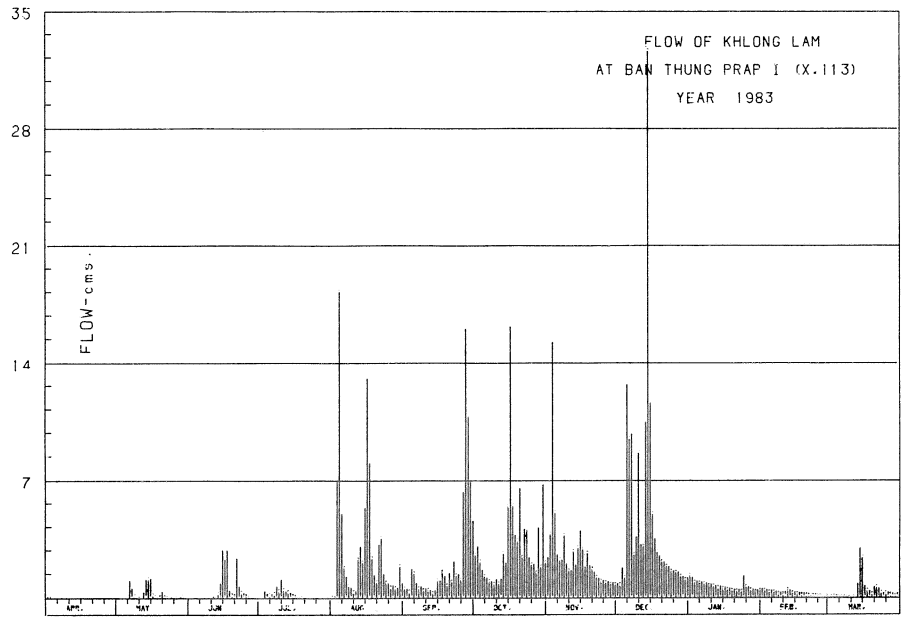
KHLONG LAM AT BAN THUNG PRAP (1), SONGKHLA (X.113)

LOCATION	LAT. 6°-37'-59" N., LONG. 100°-23'-46" E., ON RIGHT BANK AT BAN THUNG PRAP (I), AMPHOE SADAO, SONGKHLA.
DRAINAGE AREA	129 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM	+0.00 M.(A.D.)
BENCH MARK	B.M.-H.D.
LOCATION	ABOUT 10 METERS FROM THE GAGE OBSERVER'S HOUSE.
ELEVATION	+7.140 M.(A.D.)
GAGE READING FREQUENCY	13-TIME DAILY READINGS AT 06.00-18.00 HOURS.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 13 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1979 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1979 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1979 TO DATE.
STABILITY OF CHANNEL REGIMES	STABLE.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS GOOD. STAGE-DISCHARGE RELATION DEFINED BY 127 DISCHARGE MEASUREMENTS MADE IN 1983.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	1.19	1.22	1.16	1.20	1.23	1.50	2.25	2.17	1.60	1.85	1.45	1.25	
2	1.16	1.16	1.16	1.18	1.20	1.45	2.36	2.59	1.62	1.77	1.44	1.25	
3	1.16	1.18	1.15	1.46	3.24	1.42	2.12	4.21	1.96	1.69	1.42	1.25	
4	1.15	1.16	1.14	1.30	4.43	1.94	1.92	2.90	1.81	1.67	1.40	1.24	
5	1.14	1.15	1.13	1.32	2.86	1.89	1.83	2.22	3.98	1.66	1.40	1.24	
6	1.14	1.75	1.13	1.29	2.00	1.62	1.76	2.16	3.63	1.65	1.39	1.23	
7	1.14	1.46	1.13	1.36	1.79	1.51	1.72	2.12	3.65	1.64	1.37	1.22	
8	1.14	1.29	1.13	1.52	1.58	1.52	1.67	2.57	2.25	1.62	1.35	1.22	
9	1.13	1.22	1.17	1.44	1.49	1.46	1.64	2.04	2.52	1.59	1.34	1.20	
10	1.12	1.19	1.20	1.72	1.41	1.46	1.72	1.94	3.52	1.58	1.34	1.21	
11	1.15	1.16	1.29	1.47	1.38	1.47	1.65	1.91	2.39	1.57	1.36	1.21	
12	1.19	1.43	1.22	1.38	2.17	1.41	1.73	2.31	2.39	1.54	1.47	1.20	
13	1.16	1.72	1.36	1.41	2.36	1.37	2.28	2.02	3.74	1.53	1.41	1.67	
14	1.14	1.77	1.61	1.34	2.11	1.40	2.06	2.37	5.14	1.52	1.37	2.33	
15	1.13	1.74	2.35	1.29	2.94	1.73	2.98	2.61	3.87	1.50	1.35	2.20	
16	1.12	1.31	2.13	1.26	4.03	1.69	4.28	2.35	2.88	1.49	1.34	1.53	
17	1.12	1.25	2.34	1.24	3.41	1.92	2.99	1.98	2.49	1.47	1.33	1.44	
18	1.12	1.20	1.40	1.23	2.19	1.80	2.55	2.28	2.30	1.46	1.32	1.38	
19	1.12	1.25	1.32	1.22	1.82	1.60	2.49	2.01	2.20	1.44	1.32	1.34	
20	1.11	1.48	1.29	1.20	1.70	1.86	3.16	1.98	2.12	1.43	1.31	1.50	
21	1.11	1.26	2.22	1.20	2.39	1.71	2.21	1.88	2.08	1.42	1.30	1.54	
22	1.11	1.21	1.52	1.18	2.53	2.09	2.64	1.81	2.03	1.42	1.30	1.46	
23	1.10	1.19	1.39	1.17	1.84	1.85	2.66	1.75	1.99	1.41	1.29	1.37	
24	1.10	1.26	1.33	1.16	1.69	1.84	2.17	1.72	1.93	1.80	1.27	1.32	
25	1.11	1.21	1.29	1.16	1.61	1.76	2.06	1.70	1.90	1.55	1.26	1.36	
26	1.12	1.20	1.25	1.19	1.55	3.12	2.04	1.68	1.91	1.50	1.26	1.34	
27	1.11	1.17	1.24	1.23	1.55	4.28	1.90	1.66	1.88	1.46	1.25	1.32	
28	1.11	1.27	1.23	1.20	1.52	3.78	2.66	1.63	1.83	1.43	1.26	1.30	
29	1.12	1.26	1.22	1.18	1.48	3.26	2.02	1.63	1.79	1.41	1.25	1.27	
30	1.21	1.21	1.22	1.16	2.03	2.76	3.20	1.62	1.76	1.41		1.32	
31		1.18		1.14	1.61		2.10		1.76	1.44		1.48	
MEAN	1.13	1.31	1.39	1.28	2.10	1.95	2.28	2.13	2.48	1.55	1.34	1.39	
MAX	1.21	1.77	2.35	1.72	4.43	4.28	4.28	4.21	5.14	1.85	1.47	2.33	5.14
MIN	1.10	1.15	1.13	1.14	1.20	1.37	1.64	1.62	1.60	1.41	1.25	1.20	1.10

ANNUAL MAX MOMENTARY GAGE HEIGHT 5.32 M (A.D), AT 11.00 HOURS, ON DEC 14, 1983
ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D), RIVER BED 0.62 M (A.D)
LEFT BANK ELEVATION 8.96 M (A.D)
RIGHT BANK ELEVATION 8.44 M (A.D), DRAINAGE AREA 129 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.10	0.13	0.08	0.10	0.15	0.65	2.68	2.41	0.85	1.45	0.55	0.18	
2	0.08	0.08	0.08	0.09	0.10	0.55	3.06	3.91	0.89	1.22	0.53	0.18	
3	0.08	0.09	0.07	0.57	6.97	0.49	2.26	15.24	1.78	1.03	0.49	0.18	
4	0.07	0.08	0.07	0.25	18.38	1.72	1.66	5.20	1.33	0.99	0.45	0.16	
5	0.07	0.07	0.06	0.29	5.02	1.57	1.39	2.57	12.70	0.97	0.45	0.16	
6	0.07	1.17	0.06	0.24	1.90	0.89	1.20	2.38	9.59	0.95	0.43	0.15	
7	0.07	0.57	0.06	0.37	1.27	0.67	1.10	2.26	9.75	0.93	0.39	0.13	
8	0.07	0.24	0.06	0.69	0.81	0.69	0.99	3.83	2.68	0.89	0.35	0.13	
9	0.06	0.13	0.08	0.53	0.63	0.57	0.93	2.02	3.63	0.83	0.33	0.10	
10	0.06	0.10	0.10	1.10	0.47	0.57	1.10	1.72	8.75	0.81	0.33	0.12	
11	0.07	0.08	0.24	0.59	0.41	0.59	0.95	1.63	3.17	0.79	0.37	0.12	
12	0.10	0.51	0.13	0.41	2.41	0.47	1.13	2.88	3.17	0.73	0.59	0.10	
13	0.08	1.10	0.37	0.47	3.06	0.39	2.78	1.96	10.47	0.71	0.47	0.99	
14	0.07	1.22	0.87	0.33	2.23	0.45	2.08	3.09	32.74	0.69	0.39	2.95	
15	0.06	1.15	3.02	0.24	5.38	1.13	5.56	3.99	11.61	0.65	0.35	2.50	
16	0.06	0.27	2.29	0.19	13.22	1.03	16.18	3.02	5.11	0.63	0.33	0.71	
17	0.06	0.18	2.99	0.16	8.02	1.66	5.61	1.84	3.52	0.59	0.31	0.53	
18	0.06	0.10	0.45	0.15	2.47	1.30	3.75	2.78	2.85	0.57	0.29	0.41	
19	0.06	0.18	0.29	0.13	1.36	0.85	3.52	1.93	2.50	0.53	0.29	0.33	
20	0.05	0.61	0.24	0.10	1.05	1.48	6.53	1.84	2.26	0.51	0.27	0.65	
21	0.05	0.19	2.57	0.10	3.17	1.07	2.54	1.54	2.14	0.49	0.25	0.73	
22	0.05	0.12	0.69	0.09	3.67	2.17	4.11	1.33	1.99	0.49	0.25	0.57	
23	0.05	0.10	0.43	0.08	1.42	1.45	4.19	1.17	1.87	0.47	0.24	0.39	
24	0.05	0.19	0.31	0.08	1.03	1.42	2.41	1.10	1.69	1.30	0.21	0.29	
25	0.05	0.12	0.24	0.08	0.87	1.20	2.08	1.05	1.60	0.75	0.19	0.37	
26	0.06	0.10	0.18	0.10	0.75	6.31	2.02	1.01	1.63	0.65	0.19	0.33	
27	0.05	0.08	0.16	0.15	0.75	16.18	1.60	0.97	1.54	0.57	0.18	0.29	
28	0.05	0.21	0.15	0.10	0.69	10.79	4.19	0.91	1.39	0.51	0.19	0.25	
29	0.06	0.19	0.13	0.09	0.61	7.08	1.96	0.91	1.27	0.47	0.18	0.21	
30	0.12	0.12	0.13	0.08	1.99	4.59	6.75	0.89	1.20	0.47		0.29	
31		0.09		0.07	0.87		2.20		1.20	0.53		0.61	
TOTAL	1.99	9.57	16.60	8.02	91.13	69.98	98.51	77.38	146.87	23.17	9.84	15.11	568.17 CMSDAY
MEAN	0.07	0.31	0.55	0.26	2.94	2.33	3.18	2.58	4.74	0.75	0.34	0.49	1.55 CMS
MAX	0.12	1.22	3.02	1.10	18.38	16.18	16.18	15.24	32.74	1.45	0.59	2.95	32.74 CMS
MIN	0.05	0.07	0.06	0.07	0.10	0.39	0.93	0.89	0.85	0.47	0.18	0.10	0.05 CMS
RUNOFF	0.172	0.827	1.434	0.693	7.874	6.046	8.511	6.686	12.690	2.002	0.850	1.306	49.090 MCM

MOMENTARY PEAK 37.44 CMS, AT 5.32 M (A.D), AT 11.00 HOURS, ON DEC 14, 1983

RUNOFF YIELD 12.03 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 290.23 LITERS/SECOND/SQUARE KM

WATER YEAR 1983

SOUTHERN PENINSULA EAST COAST

PATTANI RIVER AT BAN TALAT KAO, YALA (X.40)

LOCATION — LAT. 6°-34'-03" N., LONG. 101°-17'-40" E., ON RIGHT BANK ABOUT 500 METERS DOWNSTREAM FROM RAILWAY BRIDGE, AMPHOE MUANG, YALA.

DRAINAGE AREA — 3,295 SQ.KM.

TYPE OF GAGE — STAFF GAGE.

ZERO GAGE AT BOTTOM — +9.60 M. (M.S.L.)

BENCH MARK — B.M.-H.D.

LOCATION — ON RIGHT BANK ABOUT 10 METERS UPSTREAM FROM THE TOP OF STAFF GAGE.

ELEVATION — +16.335 M. (M.S.L.)

GAGE READING FREQUENCY — 5-TIME DAILY READINGS AT 06.00, 09.00, 12.00, 15.00 AND 18.00 HOURS.

BASIS OF MEAN DAILY GAGE HEIGHT — ARITHMETIC MEAN OF 5 READINGS.

PERIOD OF AVAILABLE GAGE RECORDS — 1964 TO DATE.

RATING OPERATION

PERIOD OF RATING — 1964-1975

RATED BY FLOAT — -

RATED BY CURRENT METER — 1964-1975

STABILITY OF CHANNEL REGIMES — STABLE.

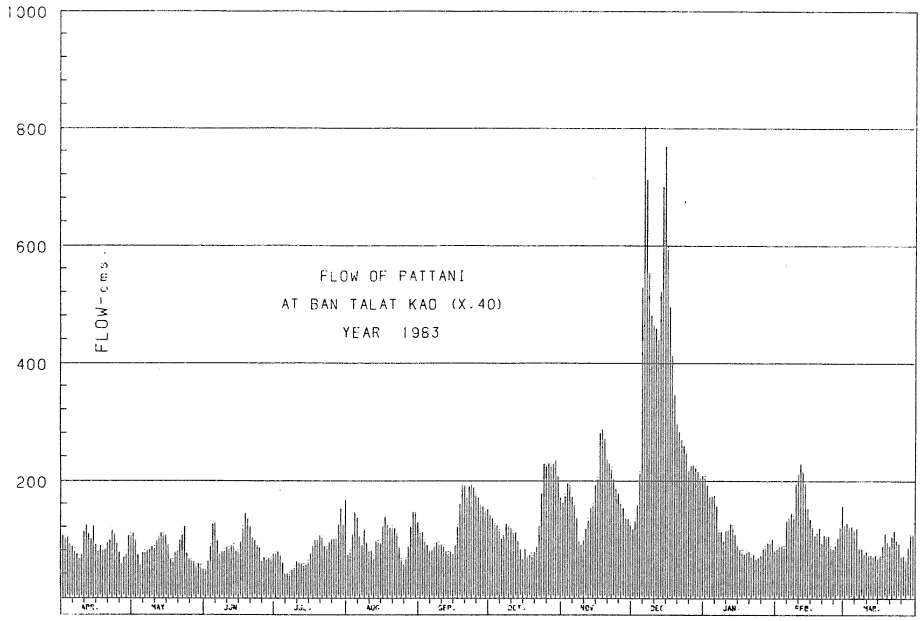
OVERBANK FLOW CONDITIONS — OVERBANK FLOW STARTS AT ELEVATION +12.94 M.(M.S.L.) AND IS INCLUDED.

GENERAL DESCRIPTION — RECORDS GOOD. STAGE-DISCHARGE RELATION DEFINED BY 2,198 DISCHARGE MEASUREMENTS MADE DURING 1966-1975.

GAGE HEIGHT IN METER (MSL), WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	11.88	11.93	11.15	11.56	11.49	11.97	12.33	12.50	12.00	12.96	11.61	12.12	
2	11.87	11.86	11.33	11.56	11.60	11.95	12.21	12.65	12.20	12.80	11.73	12.12	
3	11.85	11.49	11.72	11.53	11.90	11.81	12.15	12.83	12.46	12.64	11.68	12.09	
4	11.78	11.31	12.10	11.28	12.37	11.70	12.07	12.84	13.03	12.61	11.69	12.05	
5	11.67	11.54	12.19	11.03	12.22	11.63	12.05	12.60	15.04	12.67	12.16	12.03	
6	11.64	11.59	11.78	10.97	11.92	11.59	11.82	12.50	15.83	12.44	12.27	12.02	
7	11.51	11.58	11.55	11.01	11.70	11.73	11.93	12.21	15.62	12.00	12.30	11.69	
8	11.49	11.68	11.56	11.08	12.04	11.75	12.10	11.83	15.15	11.95	12.26	11.62	
9	11.50	11.67	11.62	11.19	11.75	11.76	12.11	11.71	14.83	11.82	12.82	11.58	
10	12.01	11.68	11.66	11.32	11.64	11.71	12.02	11.84	14.77	11.97	13.03	11.56	
11	12.08	11.78	11.66	11.35	11.58	11.71	11.97	12.01	14.72	12.04	13.15	11.56	
12	11.98	11.90	11.69	11.26	11.48	11.57	11.94	12.21	14.64	12.10	13.06	11.49	
13	11.82	11.93	11.72	11.25	11.77	11.56	11.82	12.40	15.01	12.08	12.83	11.52	
14	12.11	11.92	11.57	11.23	11.79	11.56	11.61	12.49	15.60	11.90	12.44	11.48	
15	11.71	11.89	11.59	11.36	11.73	11.56	11.44	12.80	15.75	11.75	12.19	11.49	
16	11.64	11.75	11.76	11.52	12.11	11.69	11.62	12.94	15.29	11.61	12.08	11.48	
17	11.69	11.39	12.06	11.72	12.24	12.09	11.50	13.59	14.90	11.60	11.88	11.72	
18	11.66	11.39	12.30	11.79	12.15	12.48	11.49	13.68	14.49	11.51	11.97	11.92	
19	11.61	11.55	12.24	11.83	12.03	12.83	11.53	13.51	14.07	11.59	12.02	11.82	
20	11.79	11.64	12.05	11.88	12.07	12.79	11.55	13.25	13.76	11.57	11.78	11.69	
21	11.80	11.79	11.89	11.89	12.02	12.63	11.73	13.16	13.61	11.52	11.89	11.91	
22	12.02	11.95	11.79	11.68	11.96	12.78	12.06	13.10	13.53	11.50	11.91	11.97	
23	11.91	12.05	11.73	11.67	11.65	12.85	12.70	12.90	13.41	11.44	11.87	11.83	
24	11.79	11.58	11.64	11.75	11.41	12.76	13.15	12.78	13.34	11.42	11.69	11.73	
25	11.55	11.39	11.39	11.86	11.23	12.68	13.16	12.66	13.04	11.53	11.62	11.52	
26	11.34	11.39	11.43	11.81	11.43	12.59	13.16	12.53	13.16	11.62	11.75	11.47	
27	11.44	11.32	11.42	11.87	11.66	12.50	13.16	12.40	13.13	11.69	11.84	11.43	
28	11.57	11.23	11.41	12.09	12.09	12.43	13.15	12.26	13.12	11.74	12.09	11.65	
29	11.88	11.26	11.43	12.46	12.33	12.39	13.24	12.20	13.03	11.79	12.44	11.95	
30	11.92	11.23	11.51	12.08	12.36	12.38	12.95	12.12	12.96	11.81		11.90	
31		11.10		12.60	12.13		12.64		12.96	11.63		11.77	
MEAN	11.75	11.61	11.70	11.60	11.87	12.11	12.21	12.62	14.01	11.91	12.14	11.75	
MAX	12.11	12.05	12.30	12.60	12.37	12.85	13.24	13.68	15.83	12.96	13.15	12.12	15.83
MIN	11.34	11.10	11.15	10.97	11.23	11.56	11.44	11.71	12.00	11.42	11.61	11.43	10.97

ANNUAL MAX MOMENTARY GAGE HEIGHT 15.84 M (MSL), AT 15.00 HOURS, ON DEC 6, 1983
ZERO GAGE AT BOTTOM ELEVATION 9.60 M (MSL), RIVER BED 8.94 M (MSL)
LEFT BANK ELEVATION 12.93 M (MSL)
RIGHT BANK ELEVATION 16.38 M (MSL), DRAINAGE AREA 3295 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	106.2	110.7	52.0	78.8	73.3	114.3	146.7	162.0	117.0	208.0	82.8	127.8	
2	105.3	104.4	62.8	78.8	82.0	112.5	135.9	177.0	135.0	192.0	92.7	127.8	
3	103.5	73.3	91.8	76.4	108.0	99.9	130.5	195.0	158.4	176.0	88.4	125.1	
4	97.2	61.6	126.0	59.8	150.3	90.0	123.3	196.0	215.3	173.0	89.2	121.5	
5	87.6	77.2	134.1	44.8	136.8	84.4	121.5	172.0	529.0	179.0	131.4	119.7	
6	85.2	81.2	97.2	41.5	109.8	81.2	100.8	162.0	806.7	156.6	141.3	118.8	
7	74.8	80.4	78.0	43.6	90.0	92.7	110.7	135.9	712.4	117.0	144.0	89.2	
8	73.3	88.4	78.8	47.8	120.6	94.5	126.0	101.7	558.0	112.5	140.4	83.6	
9	74.0	87.6	83.6	54.4	94.5	95.4	126.9	90.9	481.3	100.8	194.0	80.4	
10	117.9	88.4	86.8	62.2	85.2	90.9	118.8	102.6	469.0	114.3	215.3	78.8	
11	124.2	97.2	86.8	64.0	80.4	90.9	114.3	117.9	459.0	120.6	228.5	78.8	
12	115.2	108.0	89.2	58.6	72.6	79.6	111.6	135.9	443.6	126.0	218.6	73.3	
13	100.8	110.7	91.8	58.0	96.3	78.8	100.8	153.0	521.5	124.2	195.0	75.6	
14	126.9	109.8	79.6	56.8	98.1	78.8	82.8	161.1	704.0	108.0	156.6	72.6	
15	90.9	107.1	81.2	64.6	92.7	78.8	69.8	192.0	769.0	94.5	134.1	73.3	
16	85.2	94.5	95.4	75.6	126.9	89.2	83.6	206.0	597.2	82.8	124.2	72.6	
17	89.2	66.4	122.4	91.8	138.6	125.1	74.0	280.8	496.0	82.0	106.2	91.8	
18	86.8	66.4	144.0	98.1	130.5	160.2	73.3	291.6	416.2	74.8	114.3	109.8	
19	82.8	78.0	138.6	101.7	119.7	195.0	76.4	271.2	345.5	81.2	118.8	100.8	
20	98.1	85.2	121.5	106.2	123.3	191.0	78.0	240.0	301.8	79.6	97.2	89.2	
21	99.0	98.1	107.1	107.1	118.8	175.0	92.7	229.6	283.2	75.6	107.1	108.9	
22	118.8	112.5	98.1	88.4	113.4	190.0	122.4	223.0	273.6	74.0	108.9	114.3	
23	108.9	121.5	92.7	87.6	86.0	197.0	182.0	202.0	259.2	69.8	105.3	101.7	
24	98.1	80.4	85.2	94.5	67.7	188.0	228.5	190.0	250.8	68.4	89.2	92.7	
25	78.0	66.4	66.4	104.4	56.8	180.0	229.6	178.0	216.4	76.4	83.6	75.6	
26	63.4	66.4	69.1	99.9	69.1	171.0	229.6	165.0	229.6	83.6	94.5	71.9	
27	69.8	62.2	68.4	105.3	86.8	162.0	229.6	153.0	226.3	89.2	102.6	69.1	
28	79.6	56.8	67.7	125.1	125.1	155.7	228.5	140.4	225.2	93.6	125.1	86.0	
29	106.2	58.6	69.1	158.4	146.7	152.1	238.8	135.0	215.3	98.1	156.6	112.5	
30	109.8	56.8	74.8	124.2	149.4	151.2	207.0	127.8	208.0	99.9		108.0	
31		49.0		172.0	128.7		176.0		208.0	84.4		96.3	
TOTAL	2856.7	2605.2	2740.2	2630.4	3278.1	3845.2	4270.4	5288.4	11831.5	3415.9	3785.9	2947.5	49495.4 CMSDAY
MEAN	95.2	84.0	91.3	84.9	105.7	128.2	137.8	176.3	381.7	110.2	130.5	95.1	135.2 CMS
MAX	126.9	121.5	144.0	172.0	150.3	197.0	238.8	291.6	806.7	208.0	228.5	127.8	806.7 CMS
MIN	63.4	49.0	52.0	41.5	56.8	78.8	69.8	90.9	117.0	68.4	82.8	69.1	41.5 CMS
RUNOFF	246.82	225.09	236.75	227.27	283.23	332.23	368.96	456.92	1022.24	295.13	327.10	254.66	4276.40 MCM

MOMENTARY PEAK 811.60 CMS, AT 15.84 M (MSL), AT 15.00 HOURS, ON DEC 6, 1983
RUNOFF YIELD 41.04 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 246.31 LITERS/SECOND/SQUARE KM

WATER YEAR 1983

SOUTHERN PENINSULA EAST COAST

SAI BURI RIVER AT BAN YAKONG, NARATHIWAT (X.45)

LOCATION — LAT. 6°-19'-25" N., LONG. 100°-30'-31" E., ON RIGHT BANK ABOUT 7 KILOMETERS FROM AMPHOE RUSO, NARATHIWAT.

DRAINAGE AREA — 1,483. SQ.KM.

TYPE OF GAGE — WATER-STAGE RECORDER.

ZERO GAGE AT BOTTOM — +0.00 M.(A.D.)

BENCH MARK — B.M.-H.D.

LOCATION — INFRONT OF THE AUTOMATIC GAGE BUILDING.

ELEVATION — +8.486 M.(A.D.)

GAGE READING FREQUENCY — RECORDING.

BASIS OF MEAN DAILY GAGE HEIGHT — ARITHMETIC MEAN OF 24 READINGS.

PERIOD OF AVAILABLE GAGE RECORDS — 1970 TO DATE.

RATING OPERATION

PERIOD OF RATING — 1982 TO DATE.

RATED BY FLOAT — -

RATED BY CURRENT METER — 1982 TO DATE.

STABILITY OF CHANNEL REGIMES — STABLE.

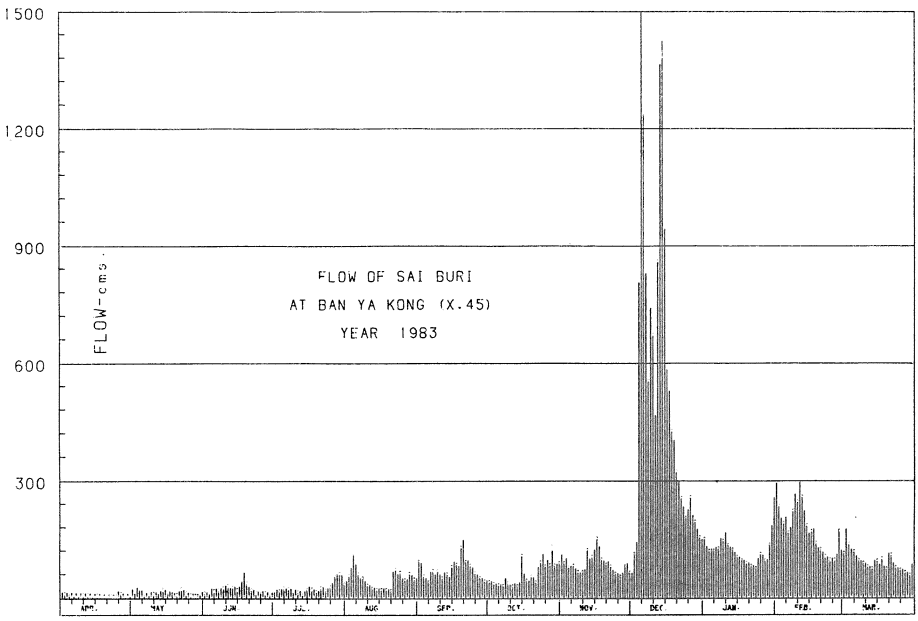
OVERBANK FLOW CONDITIONS — NO OVERBANK FLOW.

GENERAL DESCRIPTION — RECORDS FAIR. STAGE-DISCHARGE RELATION DEFINED BY 60 DISCHARGE MEASUREMENTS MADE IN 1983.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.72	0.86	0.74	0.88	1.15	1.75	1.16	1.90	1.38	2.29	3.28	1.99	
2	0.71	0.83	0.72	0.85	1.35	1.67	1.15	1.71	1.97	2.10	2.94	2.47	
3	0.70	0.92	0.80	0.84	1.53	1.34	1.11	1.80	2.19	2.04	2.69	2.18	
4	0.70	0.95	0.89	0.87	1.97	1.24	1.07	1.59	5.52	2.05	2.62	2.04	
5	0.69	0.81	0.85	0.95	1.63	1.17	1.06	1.58	7.23	2.04	2.71	2.02	
6	0.68	0.69	0.88	0.90	1.40	1.42	1.04	1.63	6.68	2.08	2.42	1.86	
7	0.68	0.68	0.86	0.93	1.24	1.48	1.05	1.51	5.58	2.09	2.50	1.78	
8	0.67	0.72	0.90	0.88	1.28	1.34	1.23	1.46	4.59	2.27	2.85	1.72	
9	0.67	0.73	0.96	0.82	1.15	1.48	1.13	1.39	5.28	2.25	3.11	1.70	
10	0.67	0.73	1.01	0.85	1.07	1.34	1.03	1.45	5.05	2.39	3.01	1.65	
11	0.66	0.72	1.05	0.80	1.03	1.29	1.03	1.48	4.18	2.16	3.29	1.60	
12	0.66	0.81	0.91	0.79	0.96	1.40	1.08	2.05	5.68	2.09	3.09	1.56	
13	0.65	0.78	0.98	0.75	0.92	1.39	1.04	1.78	6.95	2.07	2.83	1.54	
14	0.64	0.90	0.97	0.77	0.90	1.27	1.10	1.88	7.08	1.97	2.58	1.73	
15	0.64	0.84	0.90	0.88	0.90	1.60	1.91	2.03	5.91	1.88	2.38	1.76	
16	0.63	0.77	0.97	0.98	0.90	1.71	1.36	2.30	4.72	1.83	2.45	1.62	
17	0.63	0.77	1.22	0.93	0.90	1.67	1.21	2.10	4.46	1.78	2.47	1.82	
18	0.61	0.71	1.40	0.86	0.90	1.58	1.15	1.81	4.01	1.74	2.20	1.57	
19	0.60	0.68	1.14	0.81	0.86	2.11	1.32	1.73	3.87	1.70	2.07	1.54	
20	0.60	0.68	0.97	0.79	0.86	2.24	1.26	1.67	3.47	1.67	2.07	1.93	
21	0.60	0.78	0.89	0.96	1.42	1.75	1.16	1.71	3.30	1.62	1.97	1.93	
22	0.59	0.93	0.84	0.95	1.52	1.74	1.55	1.61	3.07	1.59	1.90	1.66	
23	0.59	0.83	0.78	0.87	1.36	1.64	1.73	1.47	2.90	1.56	1.83	1.58	
24	0.59	0.75	0.76	0.90	1.44	1.54	1.92	1.41	2.73	1.79	1.80	1.52	
25	0.78	0.69	0.83	1.01	1.23	1.42	1.62	1.37	2.85	1.96	1.80	1.50	
26	0.73	0.65	0.78	1.09	1.23	1.34	1.75	1.33	3.08	1.88	1.79	1.48	
27	0.65	0.65	0.75	1.33	1.21	1.29	1.65	1.38	2.75	1.77	1.91	1.44	
28	0.63	0.63	0.72	1.35	1.41	1.24	2.01	1.61	2.65	1.75	2.46	1.39	
29	0.63	0.63	0.70	1.40	1.33	1.19	1.64	1.65	2.47	2.16	2.02	1.36	
30	0.68	0.74	0.70	1.33	1.26	1.17	1.64	1.44	2.33	2.54		1.62	
31		0.74		1.10	1.24		1.70		2.25	3.09		1.66	
MEAN	0.66	0.76	0.90	0.95	1.21	1.49	1.35	1.66	4.07	2.01	2.45	1.72	
MAX	0.78	0.95	1.40	1.40	1.97	2.24	2.01	2.30	7.23	3.09	3.29	2.47	7.23
MIN	0.59	0.63	0.70	0.75	0.86	1.17	1.03	1.33	1.38	1.56	1.79	1.36	0.59

ANNUAL MAX MOMENTARY GAGE HEIGHT 7.64 M (A.D), AT 6.00 HOURS, ON DEC 14, 1983
ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D), RIVER BED -3.78 M (A.D)
LEFT BANK ELEVATION 7.89 M (A.D)
RIGHT BANK ELEVATION 7.89 M (A.D), DRAINAGE AREA 1483 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	16.0	23.6	17.0	24.8	44.0	97.5	44.8	111.0	64.2	154.8	293.6	119.1	
2	15.5	21.8	16.0	23.0	61.5	90.3	44.0	93.9	117.3	132.0	239.0	176.4	
3	15.0	27.2	20.0	22.4	77.7	60.6	40.8	102.0	142.8	124.8	203.7	141.6	
4	15.0	29.0	25.4	24.2	117.3	51.6	37.6	83.1	811.2	126.0	194.6	124.8	
5	14.5	20.6	23.0	29.0	86.7	45.6	36.8	82.2	1505.0	124.8	206.3	122.4	
6	14.0	14.5	24.8	26.0	66.0	67.8	35.2	86.7	1241.0	129.6	170.4	107.4	
7	14.0	14.0	23.6	27.8	51.6	73.2	36.0	75.9	829.8	130.8	180.0	100.2	
8	13.5	16.0	26.0	24.8	55.2	60.6	50.7	71.4	558.7	152.4	225.5	94.8	
9	13.5	16.5	29.6	21.2	44.0	73.2	42.4	65.1	740.4	150.0	265.6	93.0	
10	13.5	16.5	32.8	23.0	37.6	60.6	34.4	70.5	676.0	166.8	249.6	88.5	
11	13.0	16.0	36.0	20.0	34.4	56.1	34.4	73.2	466.8	139.2	295.3	84.0	
12	13.0	20.6	26.6	19.5	29.6	66.0	38.4	126.0	863.2	130.8	262.4	80.4	
13	12.5	19.0	30.8	17.5	27.2	65.1	35.2	100.2	1365.0	128.4	222.5	78.6	
14	12.0	26.0	30.2	18.5	26.0	54.3	40.0	109.2	1430.0	117.3	189.6	95.7	
15	12.0	22.4	26.0	24.8	26.0	84.0	111.9	123.6	942.6	109.2	165.6	98.4	
16	11.5	18.5	30.2	30.8	26.0	93.9	62.4	156.0	588.8	104.7	174.0	85.8	
17	11.5	18.5	49.8	27.8	26.0	90.3	48.9	132.0	528.8	100.2	176.4	103.8	
18	10.5	15.5	66.0	23.6	26.0	82.2	44.0	102.9	431.1	96.6	144.0	81.3	
19	10.0	14.0	43.2	20.6	23.6	133.2	58.8	95.7	403.0	93.0	128.4	78.6	
20	10.0	14.0	30.2	19.5	23.6	148.8	53.4	90.3	326.6	90.3	128.4	113.7	
21	10.0	19.0	25.4	29.6	67.8	97.5	44.8	93.9	297.0	85.8	117.3	113.7	
22	9.5	27.8	22.4	29.0	76.8	96.6	79.5	84.9	259.2	83.1	111.0	89.4	
23	9.5	21.8	19.0	24.2	62.4	87.6	95.7	72.3	233.0	80.4	104.7	82.2	
24	9.5	17.5	18.0	26.0	69.6	78.6	112.8	66.9	208.9	101.1	102.0	76.8	
25	19.0	14.5	21.8	32.8	50.7	67.8	85.8	63.3	225.5	116.4	102.0	75.0	
26	16.5	12.5	19.0	39.2	50.7	60.6	97.5	59.7	260.8	109.2	101.1	73.2	
27	12.5	12.5	17.5	59.7	48.9	56.1	88.5	64.2	211.5	99.3	111.9	69.6	
28	11.5	11.5	16.0	61.5	66.9	51.6	121.2	84.9	198.5	97.5	175.2	65.1	
29	11.5	11.5	15.0	66.0	59.7	47.2	87.6	88.5	176.4	139.2	122.4	62.4	
30	14.0	17.0	15.0	59.7	53.4	45.6	87.6	69.6	159.6	184.8		85.8	
31		17.0		40.0	51.6		93.0		150.0	262.4		89.4	
TOTAL	384.0	566.8	796.3	936.5	1568.5	2244.1	1924.1	2699.1	16412.7	3860.9	5162.5	2951.1	39506.6 CMSDAY
MEAN	12.8	18.3	26.5	30.2	50.6	74.8	62.1	90.0	529.4	124.5	178.0	95.2	107.9 CMS
MAX	19.0	29.0	66.0	66.0	117.3	148.8	121.2	156.0	1505.0	262.4	295.3	176.4	1505.0 CMS
MIN	9.5	11.5	15.0	17.5	23.6	45.6	34.4	59.7	64.2	80.4	101.1	62.4	9.5 CMS
RUNOFF	33.18	48.97	68.80	80.91	135.52	193.89	166.24	233.20	1418.06	333.58	446.04	254.98	3413.37 MCM

MOMENTARY PEAK 1724.00 CMS, AT 7.64 M (A.D), AT 6.00 HOURS, ON DEC 14, 1983

RUNOFF YIELD 72.79 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 1162.51 LITERS/SECOND/SQUARE KM

WATER YEAR 1983

SOUTHERN PENINSULA EAST COAST

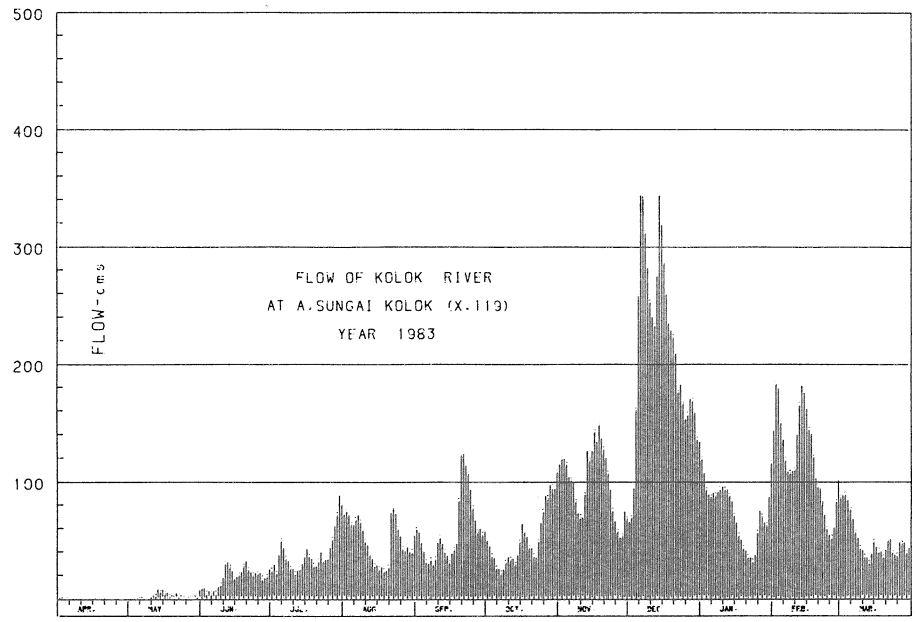
KOLOK RIVER AT SUNGAI KOLOK, NARATHIWAT (X.119)

LOCATION	LAT. 6°-04'-09" N., LONG. 102°-02'-22" E., ON LEFT BANK NEAR THE MUNO SCHOOL, TAMBON MUNO, AMPHOE SUNGAI KOLOK, NARATHIWAT.
DRAINAGE AREA	1,600 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM	-0.150 M.(M.S.L.)
BENCH MARK	B.M.-H.D.
LOCATION	ON LEFT BANK NEAR THE TOP OF STAFF GAGE.
ELEVATION	+4.866 M.(M.S.L.)
GAGE READING FREQUENCY	5-TIME DAILY READINGS AT 06.00, 09.00, 12.00, 15.00 AND 18.00 HOURS.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 5 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1980 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1981 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1981 TO DATE.
STABILITY OF CHANNEL REGIMES	FAIRLY STABLE BECAUSE OF BACKWATER EFFECT.
OVERBANK FLOW CONDITIONS	OVERBANK FLOW STARTS AT ELEVATION +5.57 M.(A.D.), RECORDS ARE CHANNEL FLOW ONLY.
GENERAL DESCRIPTION	RECORDS GOOD. STAGE-DISCHARGE RELATION DEFINED BY 109 DISCHARGE MEASUREMENTS MADE IN 1983.

GAGE HEIGHT IN METER (MSL), WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.46	0.34	1.22	1.79	2.86	2.64	2.44	3.64	2.73	3.75	4.12	3.17	
2	0.45	0.38	1.12	1.87	2.95	2.54	2.27	3.75	2.84	3.51	4.70	3.17	
3	0.46	0.48	0.98	1.70	2.85	2.40	2.12	3.72	3.28	3.29	4.63	3.22	
4	0.46	0.46	0.97	2.09	2.73	2.16	2.02	3.67	4.41	3.18	4.26	3.09	
5	0.43	0.52	0.97	2.43	2.68	1.99	1.84	3.45	5.35	3.18	3.99	2.97	
6	0.42	0.48	0.96	2.24	2.82	1.89	1.76	3.45	5.77	3.21	3.74	2.78	
7	0.40	0.44	0.99	2.07	2.85	2.03	1.71	3.37	5.76	3.21	3.53	2.58	
8	0.37	0.39	1.18	1.96	2.77	1.86	1.74	3.10	5.64	3.22	3.55	2.43	
9	0.36	0.39	1.34	1.83	2.58	2.05	1.97	2.88	5.49	3.31	3.54	2.28	
10	0.34	0.63	1.50	1.77	2.42	2.34	2.04	2.86	5.33	3.31	3.59	2.19	
11	0.32	0.66	1.95	1.70	2.29	2.49	2.05	2.81	5.23	3.30	4.06	2.11	
12	0.31	0.78	1.93	1.72	2.15	2.32	2.01	3.21	5.19	3.26	4.47	2.03	
13	0.31	1.06	1.87	1.83	2.01	2.21	1.93	3.83	5.45	3.20	4.66	1.97	
14	0.32	1.03	1.70	1.89	1.90	2.07	2.08	3.73	5.77	3.07	4.62	2.11	
15	0.35	1.05	1.55	2.11	1.86	1.97	2.40	3.83	5.66	2.88	4.40	2.41	
16	0.36	0.98	1.53	2.22	1.83	2.12	2.70	4.13	5.52	2.72	4.16	2.25	
17	0.35	0.89	1.65	2.11	1.81	2.25	2.59	3.96	5.36	2.53	4.07	2.23	
18	0.35	0.78	1.67	2.01	1.78	2.32	2.46	4.23	5.21	2.40	3.77	2.16	
19	0.37	0.69	1.89	1.91	1.71	3.12	2.29	4.01	5.14	2.28	3.43	2.09	
20	0.32	0.63	1.95	1.83	1.87	3.77	2.23	3.89	5.11	2.18	3.35	2.19	
21	0.35	0.83	1.79	2.01	2.89	3.84	2.12	3.73	4.96	2.10	3.28	2.43	
22	0.33	0.79	1.66	2.15	3.00	3.62	2.03	3.54	4.61	2.03	3.07	2.41	
23	0.31	0.69	1.65	2.00	2.87	3.53	2.40	3.26	4.67	2.00	2.85	2.18	
24	0.28	0.60	1.64	1.98	2.65	3.26	2.71	2.96	4.48	2.08	2.65	2.09	
25	0.28	0.57	1.68	2.07	2.47	3.00	2.95	2.74	4.27	2.58	2.49	2.13	
26	0.33	0.60	1.65	2.24	2.27	2.76	3.16	2.60	4.36	2.92	2.49	2.34	
27	0.35	0.63	1.57	2.45	2.17	2.59	3.17	2.44	4.51	2.87	2.63	2.37	
28	0.35	0.59	1.49	2.66	2.32	2.61	3.33	2.51	4.52	2.72	3.10	2.34	
29	0.34	0.65	1.61	2.89	2.15	2.55	3.34	2.91	4.35	2.72	3.40	2.18	
30	0.34	0.73	1.75	3.17	2.21	2.56	3.27	2.82	4.03	3.14		2.23	
31		1.03		3.07	2.48		3.56		3.96	3.69		2.27	
MEAN	0.36	0.67	1.51	2.12	2.39	2.56	2.41	3.37	4.81	2.90	3.68	2.40	
MAX	0.46	1.06	1.95	3.17	3.00	3.84	3.56	4.23	5.77	3.75	4.70	3.22	5.77
MIN	0.28	0.34	0.96	1.70	1.71	1.86	1.71	2.44	2.73	2.00	2.49	1.97	0.28

ANNUAL MAX MOMENTARY GAGE HEIGHT 5.80 M (MSL), AT 15.00 HOURS, ON DEC 14, 1983
ZERO GAGE AT BOTTOM ELEVATION -0.15 M (MSL), RIVER BED -1.49 M (MSL)
LEFT BANK ELEVATION 5.56 M (MSL)
RIGHT BANK ELEVATION 8.41 M (MSL), DRAINAGE AREA 1600 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	1.42	0.58	11.52	26.70	72.06	61.38	52.30	114.86	65.64	121.40	143.62	88.41	
2	1.35	0.86	9.50	29.45	76.75	56.80	45.04	121.40	71.04	107.37	185.00	88.41	
3	1.42	1.56	7.12	24.00	71.55	50.50	38.82	119.60	94.32	94.86	179.40	91.08	
4	1.42	1.42	6.98	37.62	65.64	40.46	34.96	116.63	162.75	88.94	152.40	84.17	
5	1.21	1.86	6.98	51.85	63.26	33.83	28.40	103.95	258.00	88.94	135.80	77.81	
6	1.14	1.56	6.84	43.78	70.02	30.15	25.80	103.95	346.20	90.54	120.80	68.04	
7	1.00	1.28	7.26	36.86	71.55	35.34	24.30	99.39	343.60	90.54	108.51	58.60	
8	0.79	0.93	10.70	32.72	67.56	29.10	25.20	84.70	314.20	91.08	109.65	51.85	
9	0.72	0.93	14.12	28.05	58.60	36.10	33.09	73.08	282.20	95.97	109.08	45.46	
10	0.58	2.83	18.20	26.10	51.40	47.98	35.72	72.06	254.80	95.97	111.93	41.69	
11	0.44	3.16	32.35	24.00	45.88	54.55	36.10	69.51	240.20	95.40	140.00	38.41	
12	0.37	4.56	31.61	24.60	40.05	47.14	34.58	90.54	234.80	93.24	167.25	35.34	
13	0.37	8.42	29.45	28.05	34.58	42.52	31.61	126.20	275.00	90.00	181.80	33.09	
14	0.44	7.91	24.00	30.15	30.50	36.86	37.24	120.20	346.20	83.11	178.60	38.41	
15	0.65	8.25	19.60	38.41	29.10	33.09	50.50	126.20	318.80	73.08	162.00	50.95	
16	0.72	7.12	19.04	42.94	28.05	38.82	64.20	144.23	288.20	65.16	146.06	44.20	
17	0.65	5.88	22.50	38.41	27.35	44.20	59.05	134.00	259.60	56.35	140.60	43.36	
18	0.65	4.56	23.10	34.58	26.40	47.14	53.20	150.45	237.40	50.50	122.60	40.46	
19	0.79	3.49	30.15	30.87	24.30	85.76	45.88	137.00	228.80	45.46	102.81	37.62	
20	0.44	2.83	32.35	28.05	29.45	122.60	43.36	129.80	225.20	41.28	98.25	41.69	
21	0.65	5.16	26.70	34.58	73.59	126.80	38.82	120.20	209.00	38.00	94.32	51.85	
22	0.51	4.68	22.80	40.05	79.40	113.68	35.34	109.08	177.80	35.34	83.11	50.95	
23	0.37	3.49	22.50	34.20	72.57	108.51	50.50	93.24	182.60	34.20	71.55	41.28	
24	0.18	2.50	22.20	33.46	61.85	93.24	64.68	77.28	168.00	37.24	61.85	37.62	
25	0.18	2.26	23.40	36.86	53.65	79.40	76.75	66.12	153.05	58.60	54.55	39.23	
26	0.51	2.50	22.50	43.78	45.04	67.08	87.88	59.50	159.20	75.16	54.55	47.98	
27	0.65	2.83	20.16	52.75	40.87	59.05	88.41	52.30	170.25	72.57	60.91	49.24	
28	0.65	2.42	17.93	62.32	47.14	59.97	97.11	55.45	171.00	65.16	84.70	47.98	
29	0.58	3.05	21.30	73.59	40.05	57.25	97.68	74.63	158.50	65.16	101.10	41.28	
30	0.58	3.96	25.50	88.41	42.52	57.70	93.78	70.02	138.20	86.82		43.36	
31		7.91		83.11	54.10		110.22		134.00	117.81		45.04	
TOTAL	21.43	110.75	588.36	1240.30	1594.83	1797.00	1640.52	3015.57	6668.55	2345.25	3462.80	1594.86	24080.22 CMSDAY
MEAN	0.71	3.57	19.61	40.01	51.45	59.90	52.92	100.52	215.11	75.65	119.41	51.45	65.79 CMS
MAX	1.42	8.42	32.35	88.41	79.40	126.80	110.22	150.45	346.20	121.40	185.00	91.08	346.20 CMS
MIN	0.18	0.58	6.84	24.00	24.30	29.10	24.30	52.30	65.64	34.20	54.55	33.09	0.18 CMS
RUNOFF	1.852	9.569	50.834	107.162	137.793	155.261	141.741	260.545	576.163	202.630	299.186	137.796	2080.531 MCM

MOMENTARY PEAK 354.00 CMS, AT 5.80 M (MSL), AT 15.00 HOURS, ON DEC 14, 1983

RUNOFF YIELD 41.12 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 221.25 LITERS/SECOND/SQUARE KM

WATER YEAR 1983

SOUTHERN PENINSULA EAST COAST

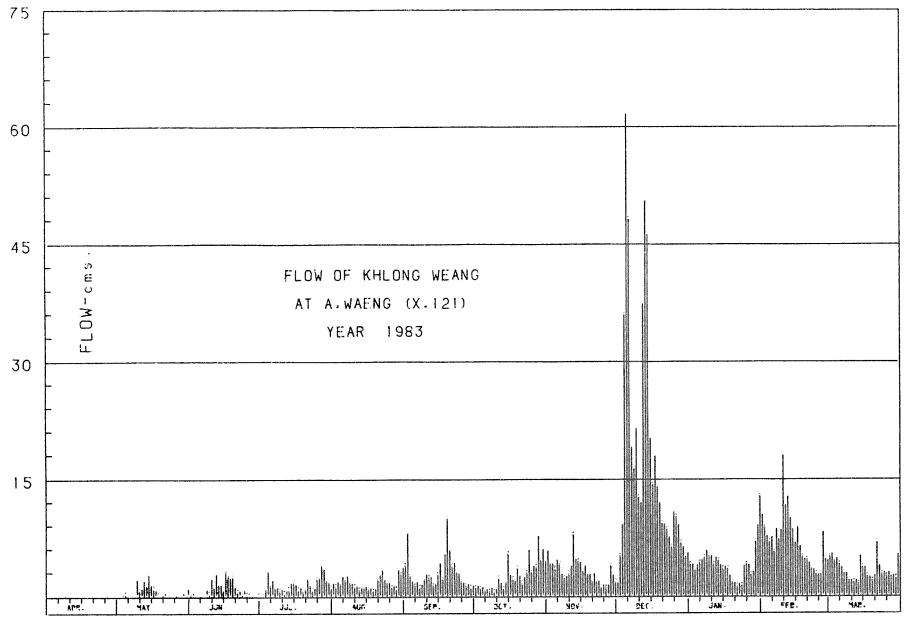
KHLONG WAENG AT WAENG, NARATHIWAT (X.121)

LOCATION	LAT. 5°-55'-26" N., LONG. 101°-53'-14" E., ON RIGHT BANK AT THE BRIDGE OF SUNGAI KOLOK MALASIA HIGHWAY, AMPHOE WAENG, NARATHIWAT.
DRAINAGE AREA	43 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM	+15.853 M.(M.S.L.)
BENCH MARK	B.M-H.D.
LOCATION	ON RIGHT BANK AT ABUTMENT OF THE BRIDGE.
ELEVATION	+20.347 M.(M.S.L.)
GAGE READING FREQUENCY	5-TIME DAILY READINGS AT 06.00, 09.00, 12.00, 15.00 AND 18.00 HOURS.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 5 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1978 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1981 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1981 TO DATE.
STABILITY OF CHANNEL REGIMES	STABLE.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS GOOD. STAGE-DISCHARGE RELATION DEFINED BY 51 DISCHARGE MEASUREMENTS MADE IN 1983.

GAGE HEIGHT IN METER (MSL), WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	17.30	17.31	17.40	17.38	17.59	17.86	17.54	18.02	17.59	17.87	18.60	17.97	
2	17.30	17.27	17.38	17.37	17.57	18.23	17.53	17.88	17.98	17.84	18.32	17.98	
3	17.30	17.35	17.37	17.53	17.61	17.72	17.52	17.85	18.35	17.80	18.20	17.92	
4	17.30	17.41	17.36	17.75	17.62	17.62	17.50	17.82	19.85	17.83	18.16	17.92	
5	17.29	17.33	17.38	17.59	17.68	17.58	17.49	17.90	20.37	17.89	18.19	17.87	
6	17.28	17.33	17.36	17.63	17.67	17.61	17.46	17.88	20.13	17.90	18.03	17.80	
7	17.32	17.33	17.36	17.54	17.69	17.55	17.46	17.71	19.23	17.96	18.27	17.75	
8	17.32	17.35	17.45	17.50	17.63	17.56	17.49	17.69	19.10	18.02	18.19	17.72	
9	17.32	17.64	17.42	17.48	17.59	17.68	17.46	17.68	19.35	17.98	18.26	17.66	
10	17.32	17.48	17.65	17.46	17.57	17.71	17.46	17.75	18.85	17.95	19.19	17.63	
11	17.32	17.48	17.56	17.43	17.53	17.70	17.69	17.82	18.77	17.87	18.74	17.63	
12	17.32	17.67	17.71	17.43	17.50	17.68	17.59	18.24	19.89	17.93	18.86	17.63	
13	17.32	17.53	17.61	17.52	17.49	17.59	17.51	17.91	20.17	17.92	18.54	17.61	
14	17.32	17.74	17.55	17.59	17.54	17.57	17.60	17.91	20.09	17.83	18.29	17.95	
15	17.32	17.55	17.51	17.64	17.52	17.74	18.01	17.87	19.29	17.81	18.12	17.83	
16	17.31	17.53	17.76	17.56	17.51	17.86	17.70	17.78	18.97	17.81	18.36	17.80	
17	17.30	17.44	17.72	17.51	17.49	17.67	17.68	17.82	19.17	17.81	18.08	17.71	
18	17.30	17.39	17.66	17.49	17.47	17.98	17.62	17.74	18.95	17.69	17.97	17.67	
19	17.30	17.37	17.72	17.46	17.47	18.58	17.82	17.71	18.77	17.63	17.91	17.65	
20	17.29	17.41	17.51	17.45	17.66	18.03	17.69	17.66	18.49	17.59	17.93	17.69	
21	17.29	17.38	17.46	17.68	17.70	17.85	17.62	17.72	18.37	17.57	17.86	18.15	
22	17.29	17.34	17.43	17.54	17.80	17.86	17.67	17.64	18.29	17.57	17.81	17.82	
23	17.29	17.34	17.42	17.49	17.64	17.78	17.76	17.62	18.19	17.58	17.77	17.74	
24	17.31	17.32	17.44	17.48	17.63	17.72	18.03	17.55	18.10	17.82	17.74	17.73	
25	17.32	17.32	17.40	17.68	17.60	17.65	17.76	17.55	18.65	17.87	17.70	17.71	
26	17.32	17.39	17.38	17.66	17.55	17.60	17.82	17.54	18.61	17.83	17.74	17.73	
27	17.33	17.34	17.37	17.86	17.53	17.58	17.84	17.55	18.35	17.73	18.24	17.71	
28	17.33	17.34	17.37	17.78	17.52	17.57	18.20	17.85	18.15	17.74	17.94	17.69	
29	17.33	17.37	17.36	17.66	17.77	17.55	17.92	17.70	18.07	18.16	17.89	17.69	
30	17.33	17.38	17.38	17.60	17.74	17.54	18.04	17.64	17.98	18.33		17.97	
31		17.47		17.55	17.80		17.91		17.99	18.86		17.80	
MEAN	17.31	17.42	17.48	17.56	17.60	17.74	17.69	17.77	18.84	17.87	18.17	17.78	
MAX	17.33	17.74	17.76	17.86	17.80	18.58	18.20	18.24	20.37	18.86	19.19	18.15	20.37
MIN	17.28	17.27	17.36	17.37	17.47	17.54	17.46	17.54	17.59	17.57	17.70	17.61	17.27

ANNUAL MAX MOMENTARY GAGE HEIGHT 20.75 M (MSL), AT 9.00 HOURS, ON DEC 4, 1983
ZERO GAGE AT BOTTOM ELEVATION 15.85 M (MSL), RIVER BED 17.85 M (MSL)
LEFT BANK ELEVATION 22.83 M (MSL)
RIGHT BANK ELEVATION 22.69 M (MSL), DRAINAGE AREA 43 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.00	0.06	0.60	0.48	1.74	4.30	1.44	5.83	1.74	4.39	10.40	5.35	
2	0.00	0.00	0.48	0.42	1.62	8.09	1.38	4.49	5.45	4.10	9.06	5.45	
3	0.00	0.30	0.42	1.38	1.90	2.95	1.32	4.20	9.15	3.72	7.70	4.87	
4	0.00	0.66	0.36	3.24	1.99	1.99	1.20	3.91	36.25	4.01	7.26	4.87	
5	0.00	0.18	0.48	1.74	2.57	1.68	1.14	4.68	61.64	4.58	7.59	4.39	
6	0.00	0.18	0.36	2.09	2.47	1.90	0.96	4.49	48.50	4.68	5.93	3.72	
7	0.12	0.18	0.36	1.44	2.66	1.50	0.96	2.86	19.07	5.26	8.61	3.24	
8	0.12	0.30	0.90	1.20	2.09	1.56	1.14	2.66	16.60	5.83	7.59	2.95	
9	0.12	2.18	0.72	1.08	1.74	2.57	0.96	2.57	21.45	5.45	8.48	2.38	
10	0.12	1.08	2.28	0.96	1.62	2.86	0.96	3.24	12.95	5.16	18.31	2.09	
11	0.12	1.08	1.56	0.78	1.38	2.76	2.66	3.91	11.97	4.39	11.64	2.09	
12	0.12	2.47	2.86	0.78	1.20	2.57	1.74	8.22	37.65	4.97	13.08	2.09	
13	0.12	1.38	1.90	1.32	1.14	1.74	1.26	4.78	50.50	4.87	9.98	1.90	
14	0.12	3.14	1.50	1.74	1.44	1.62	1.80	4.78	46.55	4.01	8.87	5.16	
15	0.12	1.50	1.26	2.18	1.32	3.14	5.74	4.39	20.21	3.82	6.82	4.01	
16	0.06	1.38	3.34	1.56	1.26	4.30	2.76	3.53	14.58	3.82	9.18	3.72	
17	0.00	0.84	2.95	1.26	1.14	2.47	2.57	3.91	17.93	3.82	6.41	2.86	
18	0.00	0.54	2.38	1.14	1.02	5.45	1.99	3.14	14.30	2.66	5.35	2.47	
19	0.00	0.42	2.95	0.96	1.02	10.26	3.91	2.86	11.97	2.09	4.78	2.28	
20	0.00	0.66	1.26	0.90	2.38	5.93	2.66	2.38	9.66	1.74	4.97	2.66	
21	0.00	0.48	0.96	2.57	2.76	4.20	1.99	2.95	9.21	1.62	4.30	7.15	
22	0.00	0.24	0.78	1.44	3.72	4.30	2.47	2.18	8.87	1.62	3.82	3.91	
23	0.00	0.24	0.72	1.14	2.18	3.53	3.34	1.99	7.59	1.68	3.43	3.14	
24	0.06	0.12	0.84	1.08	2.09	2.95	5.93	1.50	6.60	3.91	3.14	3.05	
25	0.12	0.12	0.60	2.57	1.80	2.28	3.34	1.50	10.80	4.39	2.76	2.86	
26	0.12	0.54	0.48	2.38	1.50	1.80	3.91	1.44	10.48	4.01	3.14	3.05	
27	0.18	0.24	0.42	4.30	1.38	1.68	4.10	1.50	9.15	3.05	8.22	2.86	
28	0.18	0.24	0.42	3.53	1.32	1.62	7.70	4.20	7.15	3.14	5.06	2.66	
29	0.18	0.42	0.36	2.38	3.43	1.50	4.87	2.76	6.31	7.26	4.58	2.66	
30	0.18	0.48	0.48	1.80	3.14	1.44	6.02	2.18	5.45	9.09		5.35	
31		1.02		1.50	3.72		4.78		5.54	13.08		3.72	
TOTAL	2.16	22.67	34.98	51.34	60.74	94.94	87.00	103.03	555.27	136.22	210.46	108.96	1467.77 CMSDAY
MEAN	0.07	0.73	1.17	1.66	1.96	3.16	2.81	3.43	17.91	4.39	7.26	3.51	4.01 CMS
MAX	0.18	3.14	3.34	4.30	3.72	10.26	7.70	8.22	61.64	13.08	18.31	7.15	61.64 CMS
MIN	0.00	0.00	0.36	0.42	1.02	1.44	0.96	1.44	1.74	1.62	2.76	1.90	0.00 CMS
RUNOFF	0.187	1.959	3.022	4.436	5.248	8.203	7.517	8.902	47.975	11.769	18.184	9.414	126.815 MCM

MOMENTARY PEAK 91.25 CMS, AT 20.75 M (MSL), AT 9.00 HOURS, ON DEC 4, 1983
RUNOFF YIELD 93.26 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 2122.09 LITERS/SECOND/SQUARE KM

WATER YEAR 1983

SOUTHERN PENINSULA WEST COAST

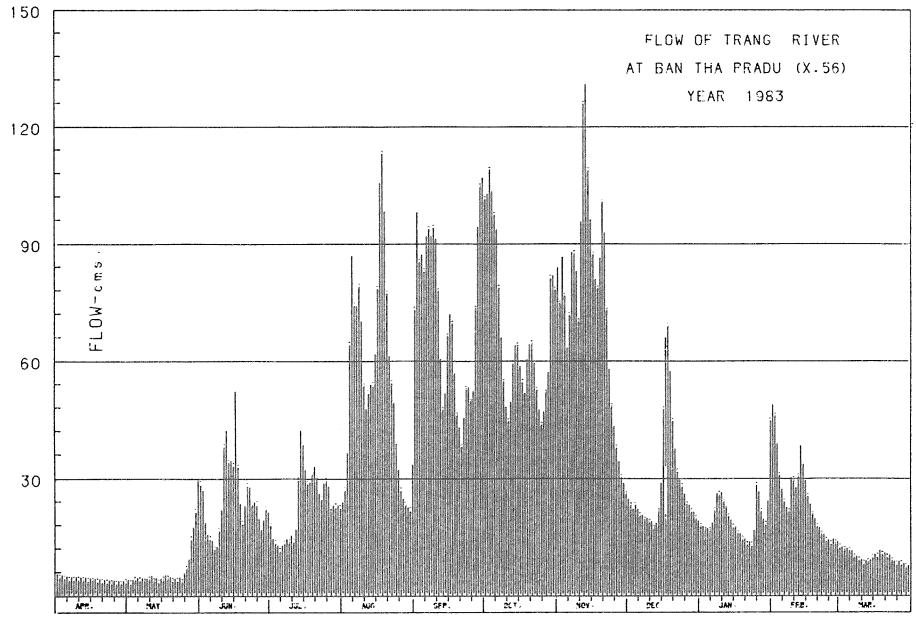
TRANG RIVER AT BAN THA PRADU, TRANG (X.56)

LOCATION	LAT. 7-46-01 N., LONG. 99-32-25 E., ON LEFT BANK ABOUT 200 METERS FROM HUAI YOT-KRABI HIGHWAY, AND ABOUT 16 KILOMETERS FROM AMPHOE HUAI YOT, TRANG.
DRAINAGE AREA	1,801 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM	+0.00 M. (A.D.)
BENCH MARK	B.M.-H.D.
LOCATION	ON LEFT BANK ABOUT 15 METERS FROM THE TOP OF STAFF GAGE.
ELEVATION	+7.690 M. (A.D.)
GAGE READING FREQUENCY	15-TIME DAILY READINGS AT 03.00, 06.00-18.00 AND 21.00 HOURS.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 15 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1966 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1966-1969, 1978 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1966-1969, 1978 TO DATE.
STABILITY OF CHANNEL REGIMES	FAIRLY STABLE.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS FAIR. STAGE-DISCHARGE RELATION DEFINED BY 152 DISCHARGE MEASUREMENTS MADE IN 1983.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	1.20	1.10	2.53	1.98	2.26	4.26	5.19	4.60	2.30	1.97	3.34	1.66	
2	1.19	1.09	2.41	1.75	2.45	5.06	5.21	4.31	2.25	1.93	3.25	1.62	
3	1.18	1.10	2.03	1.73	2.85	4.67	5.42	4.69	2.17	1.91	2.94	1.62	
4	1.17	1.15	1.81	1.65	3.96	4.71	5.23	4.38	2.25	1.90	2.63	1.60	
5	1.16	1.13	1.79	1.61	4.70	4.59	5.06	3.91	2.17	1.91	2.42	1.60	
6	1.15	1.14	1.72	1.65	4.30	4.86	4.92	4.21	2.12	1.98	2.29	1.56	
7	1.15	1.13	1.63	1.72	4.27	4.94	4.45	4.73	2.09	2.18	2.19	1.51	
8	1.15	1.12	1.63	1.74	4.46	4.86	4.00	4.74	2.06	2.37	2.17	1.48	
9	1.15	1.12	1.91	1.74	4.14	4.95	3.60	4.57	2.05	2.39	2.57	1.46	
10	1.15	1.15	2.16	1.80	3.56	4.84	3.32	4.16	2.03	2.38	2.58	1.43	
11	1.14	1.17	2.94	1.75	3.30	4.42	3.20	4.98	2.00	2.29	2.44	1.41	
12	1.14	1.13	3.08	1.89	3.49	3.80	3.37	5.92	1.94	2.20	2.61	1.41	
13	1.14	1.13	2.78	2.57	3.55	3.32	3.78	6.04	1.98	2.10	2.92	1.43	
14	1.13	1.10	2.77	3.08	3.57	3.46	3.93	5.42	2.17	2.02	2.76	1.42	
15	1.13	1.12	2.75	2.96	3.85	4.03	3.95	5.00	2.50	1.96	2.53	1.50	
16	1.13	1.15	3.48	2.67	4.44	4.20	3.73	4.73	3.32	1.92	2.36	1.51	
17	1.12	1.18	2.73	2.53	5.30	4.14	3.60	4.50	4.00	1.86	2.23	1.52	
18	1.12	1.17	2.24	2.51	5.55	3.66	3.46	4.44	4.12	1.82	2.13	1.57	
19	1.11	1.15	2.01	2.65	5.07	3.26	3.79	4.68	3.68	1.78	2.04	1.55	
20	1.11	1.13	2.21	2.71	4.40	3.11	3.94	5.16	3.20	1.74	1.96	1.53	
21	1.10	1.12	2.50	2.60	3.83	2.94	3.97	4.89	2.89	1.70	1.91	1.51	
22	1.10	1.13	2.45	2.37	3.59	3.21	3.76	4.25	2.68	1.70	1.85	1.50	
23	1.09	1.14	2.26	2.34	3.36	3.53	3.52	3.70	2.54	1.69	1.81	1.45	
24	1.09	1.11	2.26	2.50	2.97	3.52	3.29	3.35	2.49	1.87	1.76	1.40	
25	1.09	1.21	2.27	2.57	2.67	3.40	3.16	3.12	2.36	2.50	1.73	1.39	
26	1.08	1.33	2.04	2.46	2.44	3.48	3.27	2.93	2.26	2.39	1.71	1.40	
27	1.08	1.44	1.93	2.22	2.30	4.27	3.49	2.76	2.22	2.17	1.74	1.40	
28	1.08	1.78	2.02	2.22	2.26	4.94	3.67	2.61	2.17	2.03	1.72	1.36	
29	1.08	1.92	2.20	2.24	2.19	5.29	4.53	2.50	2.13	2.00	1.70	1.35	
30	1.11	2.17	2.13	2.22	2.19	5.34	4.53	2.39	2.08	2.27		1.33	
31		2.54		2.22	2.73		4.43		2.01	3.20		1.36	
MEAN	1.13	1.28	2.29	2.21	3.55	4.17	4.02	4.26	2.46	2.07	2.29	1.48	
MAX	1.20	2.54	3.48	3.08	5.55	5.34	5.42	6.04	4.12	3.20	3.34	1.66	6.04
MIN	1.08	1.09	1.63	1.61	2.19	2.94	3.16	2.39	1.94	1.69	1.70	1.33	1.08

ANNUAL MAX MOMENTARY GAGE HEIGHT 6.08 M (A.D), AT 9.00 HOURS, ON NOV 13, 1983
ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D), RIVER BED 0.05 M (A.D)
LEFT BANK ELEVATION 12.78 M (A.D)
RIGHT BANK ELEVATION 12.76 M (A.D), DRAINAGE AREA 1801 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	5.70	4.20	29.40	18.64	24.00	73.76	102.18	83.91	24.80	18.46	48.80	13.12	
2	5.55	4.06	27.00	14.65	27.80	98.06	102.82	75.26	23.80	17.74	46.55	12.44	
3	5.40	4.20	19.54	14.31	36.55	86.00	109.54	86.60	22.20	17.38	38.80	12.44	
4	5.25	4.95	15.67	12.95	64.84	87.21	103.46	77.35	23.80	17.20	31.40	12.10	
5	5.10	4.65	15.33	12.27	86.90	83.62	98.06	63.39	22.20	17.38	27.20	12.10	
6	4.95	4.80	14.14	12.95	74.96	91.86	93.72	72.27	21.20	18.64	24.60	11.42	
7	4.95	4.65	12.61	14.14	74.06	94.34	79.44	87.83	20.62	22.40	22.60	10.57	
8	4.95	4.50	12.61	14.48	79.73	91.86	66.00	88.14	20.08	26.20	22.20	10.08	
9	4.95	4.50	17.38	14.48	70.18	94.65	55.30	83.02	19.90	26.60	30.20	9.76	
10	4.95	4.95	22.00	15.50	54.30	91.24	48.30	70.78	19.54	26.40	30.40	9.28	
11	4.80	5.25	38.80	14.65	47.80	78.54	45.30	95.58	19.00	24.60	27.60	8.96	
12	4.80	4.65	42.30	17.03	52.55	60.50	49.55	126.46	17.92	22.80	31.00	8.96	
13	4.80	4.65	34.80	30.20	54.05	48.30	59.98	130.90	18.64	20.80	38.30	9.28	
14	4.65	4.20	34.55	42.30	54.55	51.80	63.97	109.54	22.20	19.36	34.30	9.12	
15	4.65	4.50	34.05	39.30	61.80	66.90	64.55	96.20	28.80	18.28	29.40	10.40	
16	4.65	4.95	52.30	32.20	79.14	71.97	58.68	87.83	48.30	17.56	26.00	10.57	
17	4.50	5.40	33.55	29.40	105.70	70.18	55.30	80.93	66.00	16.52	23.40	10.74	
18	4.50	5.25	23.60	29.00	113.75	56.86	51.80	79.14	69.58	15.84	21.40	11.59	
19	4.35	4.95	19.18	31.80	98.37	46.80	60.24	86.30	57.38	15.16	19.72	11.25	
20	4.35	4.65	23.00	33.05	77.94	43.05	64.26	101.22	45.30	14.48	18.28	10.91	
21	4.20	4.50	28.80	30.80	61.28	38.80	65.13	92.79	37.55	13.80	17.38	10.57	
22	4.20	4.65	27.80	26.20	55.05	45.55	59.46	73.46	32.40	13.80	16.35	10.40	
23	4.06	4.80	24.00	25.60	49.30	53.55	53.30	57.90	29.60	13.63	15.67	9.60	
24	4.06	4.35	24.00	28.80	39.55	53.30	47.55	49.05	28.60	16.69	14.82	8.80	
25	4.06	5.85	24.20	30.20	32.20	50.30	44.30	43.30	26.00	28.80	14.31	8.64	
26	3.92	7.68	19.72	28.00	27.60	52.30	47.05	38.55	24.00	26.60	13.97	8.80	
27	3.92	9.44	17.74	23.20	24.80	74.06	52.55	34.30	23.20	22.20	14.48	8.80	
28	3.92	15.16	19.36	23.20	24.00	94.34	57.12	31.00	22.20	19.54	14.14	8.16	
29	3.92	17.56	22.80	23.60	22.60	105.38	81.82	28.80	21.40	19.00	13.80	8.00	
30	4.35	22.20	21.40	23.20	22.60	106.98	81.82	26.60	20.44	24.20		7.68	
31		29.60		23.20	33.55		78.84		19.18	45.30		8.16	
TOTAL	138.41	219.70	751.63	729.30	1731.50	2162.06	2101.39	2258.40	895.83	637.36	727.07	312.70	12665.35 CMSDAY
MEAN	4.61	7.09	25.05	23.53	55.85	72.07	67.79	75.28	28.90	20.56	25.07	10.09	34.60 CMS
MAX	5.70	29.60	52.30	42.30	113.75	106.98	109.54	130.90	69.58	45.30	48.80	13.12	130.90 CMS
MIN	3.92	4.06	12.61	12.27	22.60	38.80	44.30	26.60	17.92	13.63	13.80	7.68	3.92 CMS
RUNOFF	11.959	18.982	64.941	63.012	149.602	186.802	181.560	195.126	77.400	55.068	62.819	27.017	1094.286 MCM

MOMENTARY PEAK 132.30 CMS, AT 6.08 M (A.D), AT 9.00 HOURS, ON NOV 13, 1983
RUNOFF YIELD 19.21 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 73.46 LITERS/SECOND/SQUARE KM

WATER YEAR 1983

SOUTHERN PENINSULA WEST COAST

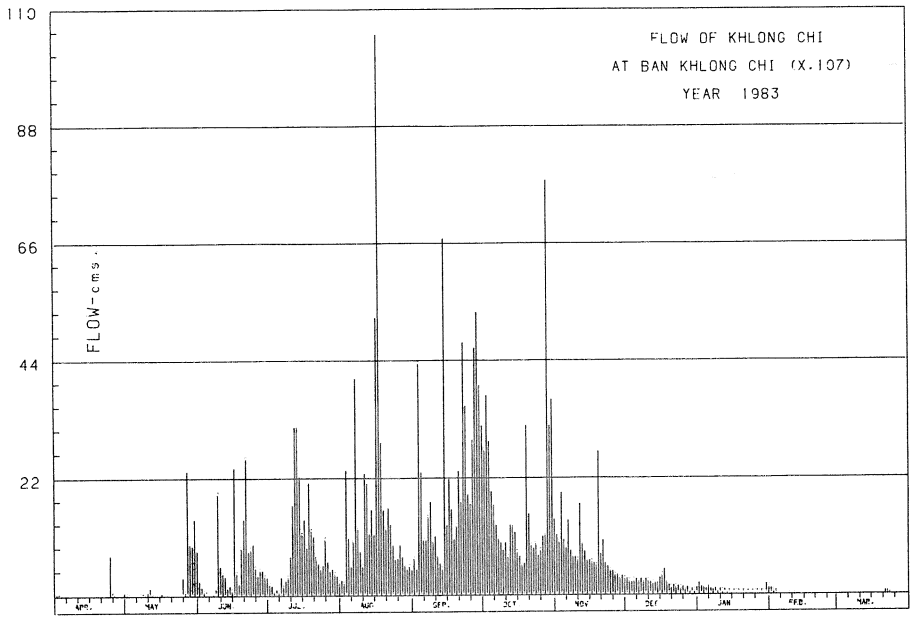
KHLONG CHI AT BAN KHLONG CHI, TRANG (X.107)

LOCATION	LAT. 7-44-08 N., LONG. 99-24-42 E., ON RIGHT BANK DOWNSTREAM FROM THE BRIDGE OF KRABI-TRANG HIGHWAY, BAN KHLONG CHI, AMPHOE SIKAO, TRANG.
DRAINAGE AREA	248 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM	+0.00 M. (A.D.)
BENCH MARK	B.M.-H.D.
LOCATION	ON RIGHT BANK ABOUT 2.5 METERS FROM THE TOP OF STAFF GAGE.
ELEVATION	+8.020 M. (A.D.)
GAGE READING FREQUENCY	5-TIME DAILY READINGS AT 06.00, 09.00, 12.00, 15.00 AND 18.00 HOURS.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 5 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1978 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1978 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1978 TO DATE.
STABILITY OF CHANNEL REGIMES	STABLE.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS FAIR. STAGE-DISCHARGE RELATION DEFINED BY 56 DISCHARGE MEASUREMENTS MADE IN 1983.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.30	0.35	0.71	0.64	0.68	1.09	2.22	1.36	0.71	0.69	0.49	0.26	
2	0.28	0.30	0.54	0.57	0.66	0.88	2.64	1.29	0.70	0.54	0.46	0.26	
3	0.25	0.29	0.48	0.50	2.03	2.88	2.30	1.82	0.64	0.58	0.39	0.26	
4	0.25	0.28	0.40	0.47	1.35	2.01	1.83	1.33	0.71	0.48	0.33	0.26	
5	0.25	0.29	0.39	0.48	0.93	1.32	1.73	1.19	0.70	0.63	0.32	0.26	
6	0.25	0.30	0.34	0.74	1.30	1.29	1.48	1.57	0.70	0.49	0.32	0.26	
7	0.25	0.33	0.42	0.59	2.76	1.60	1.34	1.16	0.70	0.55	0.33	0.26	
8	0.25	0.30	0.50	0.67	1.46	1.73	1.26	1.12	0.70	0.50	0.33	0.26	
9	0.25	0.29	1.83	0.78	1.15	1.30	1.21	1.08	0.70	0.51	0.33	0.25	
10	0.23	0.50	0.94	1.09	0.99	1.34	1.26	1.07	0.70	0.48	0.33	0.25	
11	0.22	0.52	0.84	1.72	2.00	1.12	1.11	1.71	0.64	0.45	0.33	0.25	
12	0.22	0.30	0.75	2.40	1.93	0.99	1.48	1.28	0.66	0.45	0.34	0.25	
13	0.22	0.28	0.57	2.42	1.37	0.93	1.50	1.15	0.62	0.45	0.32	0.25	
14	0.21	0.27	0.57	1.97	1.68	3.61	1.39	1.06	0.70	0.42	0.30	0.28	
15	0.20	0.26	0.51	1.39	1.36	1.51	1.17	1.04	0.72	0.41	0.30	0.33	
16	0.20	0.40	2.05	1.55	3.18	1.95	1.09	1.04	0.81	0.41	0.30	0.31	
17	0.20	0.27	0.85	1.24	4.63	1.68	0.99	1.00	0.88	0.40	0.29	0.28	
18	0.20	0.24	0.61	1.91	2.29	1.30	0.99	0.99	0.69	0.40	0.29	0.28	
19	0.20	0.24	1.22	1.44	1.65	1.50	2.43	2.19	0.58	0.40	0.28	0.28	
20	0.20	0.24	1.55	1.34	1.46	2.02	1.61	1.15	0.59	0.40	0.28	0.30	
21	0.20	0.31	2.15	1.09	1.67	1.75	1.25	1.29	0.58	0.40	0.28	0.48	
22	0.18	0.32	1.15	0.99	1.52	3.01	1.19	1.03	0.58	0.39	0.29	0.35	
23	0.18	0.24	1.21	0.93	1.23	2.58	1.27	0.94	0.56	0.39	0.29	0.28	
24	1.12	0.26	1.24	0.96	1.08	1.80	1.10	0.90	0.55	0.39	0.28	0.25	
25	0.37	0.73	0.95	1.33	1.06	1.73	1.19	0.85	0.54	0.40	0.28	0.25	
26	0.27	0.44	0.76	1.02	1.26	2.29	1.34	0.81	0.54	0.40	0.28	0.25	
27	0.23	2.02	0.91	0.89	1.08	2.99	1.40	0.78	0.53	0.39	0.28	0.24	
28	0.23	1.27	0.86	0.89	1.00	3.20	3.92	0.76	0.50	0.40	0.28	0.23	
29	0.21	1.22	0.79	0.84	0.88	2.73	2.43	0.76	0.49	0.38	0.27	0.23	
30	0.43	1.58	0.73	0.76	0.98	2.41	2.61	0.74	0.50	0.60		0.26	
31		1.16		0.69	0.87		1.58		0.00	0.58		0.25	
MEAN	0.27	0.51	0.89	1.11	1.53	1.88	1.62	1.15	0.62	0.46	0.32	0.27	
MAX	1.12	2.02	2.15	2.42	4.63	3.61	3.92	2.19	0.88	0.69	0.49	0.48	4.63
MIN	0.18	0.24	0.34	0.47	0.66	0.88	0.99	0.74	0.00	0.38	0.27	0.23	0.00

ANNUAL MAX MOMENTARY GAGE HEIGHT 5.00 M (A.D), AT 6.00 HOURS, ON AUG 15, 1983
ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D), RIVER BED -0.07 M (A.D)
LEFT BANK ELEVATION 6.71 M (A.D)
RIGHT BANK ELEVATION 7.96 M (A.D), DRAINAGE AREA 248 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.40	0.60	3.10	2.40	2.80	7.26	27.54	11.30	3.10	2.90	1.16	0.28	
2	0.34	0.40	1.52	1.76	2.60	4.80	37.44	10.25	3.00	1.52	1.04	0.28	
3	0.25	0.37	1.12	1.20	23.43	43.76	29.30	19.20	2.40	1.84	0.76	0.28	
4	0.25	0.34	0.80	1.08	11.15	23.01	19.40	10.85	3.10	1.12	0.52	0.28	
5	0.25	0.37	0.76	1.12	5.30	10.70	17.47	8.75	3.00	2.30	0.48	0.28	
6	0.25	0.40	0.56	3.40	10.40	10.25	13.10	14.52	3.00	1.16	0.48	0.28	
7	0.25	0.52	0.88	1.92	40.56	15.00	11.00	8.30	3.00	1.60	0.52	0.28	
8	0.25	0.40	1.20	2.70	12.80	17.47	9.80	7.70	3.00	1.20	0.52	0.28	
9	0.25	0.37	19.40	3.80	8.15	10.40	9.05	7.12	3.00	1.28	0.52	0.25	
10	0.19	1.20	5.40	7.26	5.90	11.00	9.80	6.98	3.00	1.12	0.52	0.25	
11	0.16	1.36	4.40	17.28	22.80	7.70	7.55	17.09	2.40	1.00	0.52	0.25	
12	0.16	0.40	3.50	31.50	21.40	5.90	13.10	10.10	2.60	1.00	0.56	0.25	
13	0.16	0.34	1.76	31.98	11.45	5.30	13.40	8.15	2.20	1.00	0.48	0.25	
14	0.13	0.31	1.76	22.20	16.52	66.85	11.75	6.84	3.00	0.88	0.40	0.34	
15	0.10	0.28	1.28	11.75	11.30	13.56	8.45	6.56	3.20	0.84	0.40	0.52	
16	0.10	0.80	23.85	14.20	52.40	21.80	7.26	6.56	4.10	0.84	0.40	0.44	
17	0.10	0.31	4.50	9.50	105.20	16.52	5.90	6.00	4.80	0.80	0.37	0.34	
18	0.10	0.22	2.10	21.00	29.08	10.40	5.90	5.90	2.90	0.80	0.37	0.34	
19	0.10	0.22	9.20	12.50	15.95	13.40	32.22	26.88	1.84	0.80	0.34	0.34	
20	0.10	0.22	14.20	11.00	12.80	23.22	15.19	8.15	1.92	0.80	0.34	0.40	
21	0.10	0.44	26.00	7.26	16.33	17.85	9.65	10.25	1.84	0.80	0.34	1.12	
22	0.08	0.48	8.15	5.90	13.72	47.30	8.75	6.42	1.84	0.76	0.37	0.60	
23	0.08	0.22	9.05	5.30	9.35	35.90	9.95	5.40	1.68	0.76	0.37	0.34	
24	7.70	0.28	9.50	5.60	7.12	18.80	7.40	5.00	1.60	0.76	0.34	0.25	
25	0.68	3.30	5.50	10.85	6.84	17.47	8.75	4.50	1.52	0.80	0.34	0.25	
26	0.31	0.96	3.60	6.28	9.80	29.08	11.00	4.10	1.52	0.80	0.34	0.25	
27	0.19	23.22	5.10	4.90	7.12	46.73	11.90	3.80	1.44	0.76	0.34	0.22	
28	0.19	9.95	4.60	4.90	6.00	53.00	77.74	3.60	1.20	0.80	0.34	0.19	
29	0.13	9.20	3.90	4.40	4.80	39.78	32.22	3.60	1.16	0.72	0.31	0.19	
30	0.92	14.68	3.30	3.60	5.80	31.74	36.66	3.40	1.20	2.00		0.28	
31		8.30		2.90	4.70		14.68		0.00	1.84		0.25	
TOTAL	14.27	80.46	179.99	271.44	513.57	675.95	533.32	257.27	73.56	35.60	13.79	10.15	2659.37 CMSDAY
MEAN	0.48	2.60	6.00	8.76	16.57	22.53	17.20	8.58	2.37	1.15	0.48	0.33	7.27 CMS
MAX	7.70	23.22	26.00	31.98	105.20	66.85	77.74	26.88	4.80	2.90	1.16	1.12	105.20 CMS
MIN	0.08	0.22	0.56	1.08	2.60	4.80	5.90	3.40	0.00	0.72	0.31	0.19	0.00 CMS
RUNOFF	1.233	6.952	15.551	23.452	44.372	58.402	46.079	22.228	6.356	3.076	1.191	0.877	229.770 MCM

MOMENTARY PEAK 120.00 CMS, AT 5.00 M (A.D), AT 6.00 HOURS, ON AUG 15, 1983
RUNOFF YIELD 29.30 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 483.87 LITERS/SECOND/SQUARE KM

WATER YEAR 1983

SOUTHERN PENINSULA WEST COAST

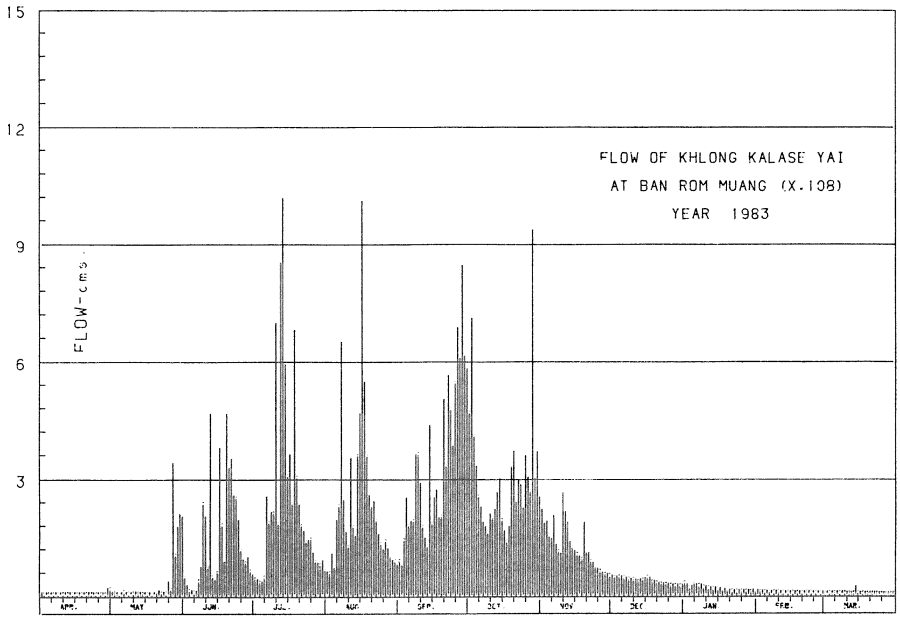
KHLONG KALASE YAI AT BAN ROM MUANG, TRANG (X.108)

LOCATION	LAT. 7°-44'-03" N., LONG. 99°-20'-00" E., ON RIGHT BANG AT BAN ROM MUANG, AMPHOE SIKAO, TANG.
DRAINAGE AREA	57 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM	+0.00 M.(A.D.)
BENCH MARK	B.M.-H.D.
LOCATION	INFRONT OF THE GAGE OBSERVER'S HOUSE.
ELEVATION	+4.771 M.(A.D.).
GAGE READING FREQUENCY	5-TIME DAILY READINGS AT 06.00, 09.00, 12.00, 15.00 AND 18.00 HOURS.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 5 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1979 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1979 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1979 TO DATE.
STABILITY OF CHANNEL REGIMES	STABLE.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS GOOD. STAGE-DISCHARGE RELATION DEFINED BY 58 DISCHARGE MEASUREMENTS MADE IN 1983.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.72	0.74	1.14	1.10	1.21	1.38	2.53	1.88	1.15	1.02	0.83	0.65	
2	0.72	0.74	0.95	1.07	1.21	1.30	2.97	1.79	1.13	0.97	0.82	0.75	
3	0.72	0.71	0.85	1.04	1.45	1.61	2.40	1.78	1.12	0.94	0.82	0.74	
4	0.72	0.71	0.83	1.02	1.30	1.98	2.21	1.66	1.14	0.94	0.81	0.74	
5	0.72	0.71	0.81	1.14	1.79	1.75	2.00	1.61	1.13	1.04	0.81	0.73	
6	0.72	0.83	0.81	1.99	1.92	1.78	1.90	1.85	1.12	0.98	0.81	0.73	
7	0.72	0.74	1.06	1.78	2.87	1.79	1.80	1.55	1.10	0.97	0.81	0.73	
8	0.71	0.73	1.28	1.86	1.98	2.28	1.73	1.49	1.09	0.97	0.81	0.73	
9	0.71	0.71	1.94	1.86	1.68	2.29	1.69	1.45	1.08	0.94	0.81	0.73	
10	0.71	0.80	1.82	2.95	1.54	2.09	1.84	2.04	1.09	0.93	0.81	0.72	
11	0.71	0.80	1.29	1.77	2.26	1.74	1.82	1.86	1.07	0.92	0.80	0.71	
12	0.71	0.74	2.52	3.19	1.74	1.62	1.88	1.80	1.05	0.91	0.80	0.70	
13	0.71	0.75	1.14	3.42	1.64	1.54	2.04	1.58	1.07	0.91	0.80	0.70	
14	0.71	0.72	1.05	2.77	2.28	2.45	2.12	1.53	1.08	0.91	0.79	0.92	
15	0.71	0.71	1.22	2.15	2.52	1.77	1.80	1.48	1.09	0.90	0.79	0.72	
16	0.70	0.72	2.32	2.28	3.41	1.98	1.69	1.46	1.13	0.89	0.78	0.70	
17	0.70	0.71	1.76	1.94	2.69	2.06	1.60	1.42	1.10	0.88	0.78	0.69	
18	0.70	0.70	1.35	2.92	2.28	1.81	1.73	1.40	1.05	0.87	0.78	0.68	
19	0.70	0.70	2.53	2.14	2.00	1.83	2.22	1.77	1.04	0.85	0.78	0.67	
20	0.70	0.84	2.20	1.92	1.92	2.60	2.30	1.48	1.02	0.84	0.78	0.69	
21	0.69	0.83	2.27	1.75	1.95	2.22	1.96	1.46	1.00	0.84	0.78	0.72	
22	0.69	0.73	2.00	1.69	1.80	2.72	2.11	1.37	1.00	0.83	0.78	0.69	
23	0.69	0.73	1.99	1.59	1.66	2.55	2.10	1.34	0.99	0.83	0.78	0.67	
24	0.68	0.73	1.79	1.60	1.57	2.33	1.89	1.30	0.99	0.83	0.78	0.66	
25	0.68	1.02	1.51	1.62	1.50	2.69	2.29	1.26	0.98	0.83	0.77	0.66	
26	0.68	0.89	1.38	1.46	1.60	2.93	2.13	1.24	0.98	0.83	0.77	0.66	
27	0.68	2.23	1.36	1.37	1.51	2.81	2.04	1.20	0.97	0.83	0.76	0.65	
28	0.68	1.45	1.41	1.34	1.43	3.18	3.31	1.19	0.97	0.83	0.76	0.65	
29	0.90	1.73	1.24	1.33	1.37	2.82	2.14	1.18	0.97	0.82	0.75	0.65	
30	0.91	1.87	1.16	1.37	1.38	2.75	2.30	1.17	0.96	0.84		0.70	
31		1.82		1.25	1.31		2.01		0.96	0.83		0.69	
MEAN	0.72	0.93	1.50	1.83	1.83	2.16	2.08	1.52	1.05	0.89	0.79	0.70	
MAX	0.91	2.23	2.53	3.42	3.41	3.18	3.31	2.04	1.15	1.04	0.83	0.92	3.42
MIN	0.68	0.70	0.81	1.02	1.21	1.30	1.60	1.17	0.96	0.82	0.75	0.65	0.65

ANNUAL MAX MOMENTARY GAGE HEIGHT 4.20 M (A.D), AT 18.00 HOURS, ON AUG 16, 1983
ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D), RIVER BED 0.43 M (A.D)
LEFT BANK ELEVATION 6.21 M (A.D)
RIGHT BANK ELEVATION 6.65 M (A.D), DRAINAGE AREA 57 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.13	0.14	0.55	0.50	0.65	0.96	4.74	2.24	0.56	0.40	0.18	0.12	
2	0.13	0.14	0.31	0.46	0.65	0.80	7.12	1.97	0.54	0.33	0.17	0.14	
3	0.13	0.13	0.20	0.42	1.11	1.49	4.15	1.94	0.53	0.29	0.17	0.14	
4	0.13	0.13	0.18	0.40	0.80	2.54	3.34	1.61	0.55	0.29	0.16	0.14	
5	0.13	0.13	0.16	0.55	1.97	1.86	2.60	1.49	0.54	0.42	0.16	0.14	
6	0.13	0.18	0.16	2.57	2.36	1.94	2.30	2.15	0.53	0.34	0.16	0.14	
7	0.13	0.14	0.45	1.94	6.52	1.97	2.00	1.34	0.50	0.33	0.16	0.14	
8	0.13	0.14	0.77	2.18	2.54	3.64	1.80	1.20	0.49	0.33	0.16	0.14	
9	0.13	0.13	2.42	2.18	1.66	3.68	1.69	1.11	0.47	0.29	0.16	0.14	
10	0.13	0.15	2.06	7.00	1.32	2.91	2.12	2.74	0.49	0.28	0.16	0.13	
11	0.13	0.15	0.78	1.91	3.55	1.83	2.06	2.18	0.46	0.27	0.15	0.13	
12	0.13	0.14	4.69	8.54	1.83	1.51	2.24	2.00	0.43	0.25	0.15	0.13	
13	0.13	0.14	0.55	10.26	1.56	1.32	2.74	1.41	0.46	0.25	0.15	0.13	
14	0.13	0.13	0.43	5.94	3.64	4.38	3.02	1.29	0.47	0.25	0.15	0.27	
15	0.13	0.13	0.66	3.13	4.69	1.91	2.00	1.18	0.49	0.24	0.15	0.13	
16	0.13	0.13	3.81	3.64	10.18	2.54	1.69	1.13	0.54	0.23	0.15	0.13	
17	0.13	0.13	1.88	2.42	5.50	2.81	1.46	1.04	0.50	0.22	0.15	0.13	
18	0.13	0.13	0.90	6.82	3.64	2.03	1.80	1.00	0.43	0.21	0.15	0.13	
19	0.13	0.13	4.74	3.09	2.60	2.09	3.38	1.91	0.42	0.20	0.15	0.12	
20	0.13	0.19	3.30	2.36	2.36	5.05	3.72	1.18	0.40	0.19	0.15	0.13	
21	0.13	0.18	3.59	1.86	2.45	3.38	2.48	1.13	0.37	0.19	0.15	0.13	
22	0.13	0.14	2.60	1.69	2.00	5.66	2.98	0.94	0.37	0.18	0.15	0.13	
23	0.13	0.14	2.57	1.44	1.61	4.83	2.95	0.88	0.36	0.18	0.15	0.12	
24	0.13	0.14	1.97	1.46	1.39	3.85	2.27	0.80	0.36	0.18	0.15	0.12	
25	0.13	0.40	1.24	1.51	1.22	5.50	3.68	0.73	0.34	0.18	0.14	0.12	
26	0.13	0.23	0.96	1.13	1.46	6.88	3.06	0.70	0.34	0.18	0.14	0.12	
27	0.13	3.43	0.92	0.94	1.24	6.16	2.74	0.63	0.33	0.18	0.14	0.12	
28	0.13	1.11	1.02	0.88	1.07	8.47	9.38	0.62	0.33	0.18	0.14	0.12	
29	0.24	1.80	0.70	0.86	0.94	6.22	3.09	0.60	0.33	0.17	0.14	0.12	
30	0.25	2.21	0.58	0.94	0.96	5.83	3.72	0.59	0.32	0.19		0.13	
31		2.06		0.72	0.82		2.63		0.32	0.18		0.13	
TOTAL	4.13	14.65	45.15	79.74	74.29	104.04	94.95	39.73	13.57	7.60	4.44	4.16	486.45 CMSDAY
MEAN	0.14	0.47	1.50	2.57	2.40	3.47	3.06	1.32	0.44	0.25	0.15	0.13	1.33 CMS
MAX	0.25	3.43	4.74	10.26	10.18	8.47	9.38	2.74	0.56	0.42	0.18	0.27	10.26 CMS
MIN	0.13	0.13	0.16	0.40	0.65	0.80	1.46	0.59	0.32	0.17	0.14	0.12	0.12 CMS
RUNOFF	0.357	1.266	3.901	6.890	6.419	8.989	8.204	3.433	1.172	0.657	0.384	0.359	42.029 MCM

MOMENTARY PEAK 18.20 CMS, AT 4.20 M (A.D). AT 18.00 HOURS, ON AUG 16, 1983

RUNOFF YIELD 23.32 LITERS/SECOND/SQUARE KM. MOMENTARY PEAK YIELD 319.30 LITERS/SECOND/SQUARE KM

WATER YEAR 1983

SOUTHERN PENINSULA WEST COAST

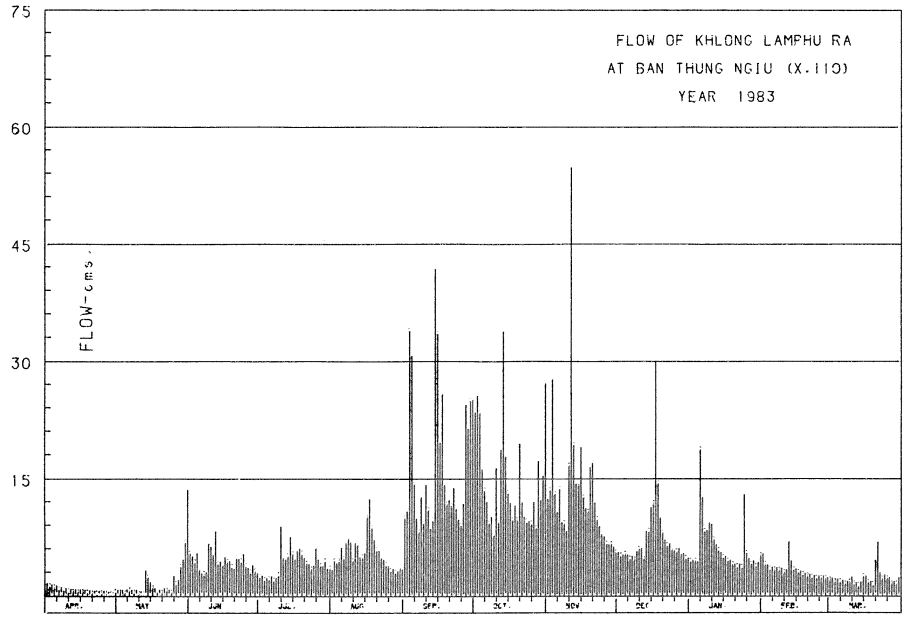
KHLONG LAMPHU LA AT BAN THUNG NGIU, TRANG (X.110)

LOCATION	LAT. 7°-40'-24" N., LONG. 99°-35'-05" E., ON RIGHT BANK AT BAN THUNG NGIU, AMPHOE HUAI YOT, TRANG.
DRAINAGE AREA	229 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM	+0.00 M. (A.D.)
BENCH MARK	B.M.-H.D.
LOCATION	ON RIGHT BANK NEAR THE GAGE SITE.
ELEVATION	+5.612 M.(A.D.)
GAGE READING FREQUENCY	5-TIME DAILY READINGS AT 06.00, 09.00, 12.00, 15.00 AND 18.00 HOURS.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 5 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1979 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1979 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1979 TO DATE.
STABILITY OF CHANNEL REGIMES	STABLE.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS GOOD. STAGE-DISCHARGE RELATION DEFINED BY 42 DISCHARGE MEASUREMENTS MADE IN 1983.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.57	0.45	1.08	0.73	0.81	1.52	2.51	1.70	1.06	0.98	1.04	0.67	
2	0.56	0.45	1.01	0.71	0.98	1.57	2.61	1.82	1.05	0.96	0.94	0.66	
3	0.55	0.45	0.97	0.68	0.92	3.08	2.50	2.73	1.03	0.98	0.90	0.64	
4	0.54	0.44	1.05	0.67	0.98	2.90	2.00	1.78	1.07	0.94	0.87	0.64	
5	0.53	0.46	0.86	0.69	1.12	1.88	1.82	1.56	1.03	2.20	0.86	0.64	
6	0.51	0.49	0.75	0.70	1.01	1.49	1.67	1.83	1.01	1.72	0.85	0.62	
7	0.50	0.45	0.78	0.67	1.18	1.35	1.46	1.44	1.01	1.36	0.85	0.60	
8	0.49	0.45	0.77	0.67	1.27	1.72	1.51	1.46	1.00	1.34	0.85	0.60	
9	0.48	0.45	1.21	0.76	1.19	1.46	1.31	1.33	1.07	1.48	0.84	0.63	
10	0.47	0.43	1.13	1.39	0.98	1.85	2.01	2.06	1.13	1.42	0.81	0.68	
11	0.47	0.42	1.07	1.02	1.18	1.61	1.47	3.86	1.11	1.25	0.81	0.60	
12	0.46	0.41	1.33	0.97	1.20	1.36	2.18	2.24	1.01	1.16	1.23	0.58	
13	0.46	0.80	0.94	1.05	1.00	1.50	3.08	1.86	1.33	1.12	0.95	0.57	
14	0.46	0.72	0.94	1.26	1.03	3.41	2.12	1.88	1.36	1.06	0.86	0.59	
15	0.46	0.59	0.94	1.07	1.05	3.06	1.79	2.20	1.61	1.03	0.83	0.73	
16	0.46	0.53	1.00	0.97	1.53	2.24	1.66	1.74	1.68	1.01	0.81	0.70	
17	0.45	0.48	0.97	1.11	1.70	2.64	1.50	1.60	2.86	0.98	0.79	0.63	
18	0.45	0.47	0.95	1.11	1.41	1.85	1.63	1.59	1.89	0.96	0.77	0.60	
19	0.44	0.45	0.91	1.08	1.22	1.67	1.50	2.02	1.50	0.94	0.75	0.59	
20	0.44	0.44	0.83	0.99	1.12	1.69	2.23	2.09	1.34	0.91	0.74	0.96	
21	0.43	0.48	1.02	0.95	1.08	1.65	1.69	1.66	1.22	0.91	0.73	1.23	
22	0.43	0.48	0.98	0.91	1.03	1.82	1.51	1.51	1.18	0.91	0.72	0.76	
23	0.43	0.45	0.98	0.87	0.97	1.63	1.49	1.39	1.17	0.90	0.71	0.69	
24	0.43	0.45	1.04	0.89	0.94	1.48	1.46	1.32	1.12	1.75	0.70	0.72	
25	0.43	0.70	0.92	1.15	0.88	1.43	1.46	1.26	1.08	1.08	0.70	0.70	
26	0.42	0.60	0.85	0.97	0.84	1.65	1.67	1.20	1.10	0.98	0.70	0.67	
27	0.41	0.63	0.81	0.92	0.83	2.56	1.40	1.16	1.11	0.94	0.70	0.60	
28	0.41	0.91	0.90	0.88	0.81	2.36	2.08	1.19	1.06	0.95	0.69	0.60	
29	0.40	0.97	0.83	0.98	0.79	2.59	1.72	1.13	1.05	0.91	0.67	0.60	
30	0.46	1.22	0.75	0.83	0.88	2.58	1.94	1.09	1.02	0.93		0.67	
31		1.80		0.88	0.82		2.72		0.99	1.05		0.66	
MEAN	0.47	0.60	0.95	0.92	1.06	1.99	1.86	1.72	1.23	1.13	0.82	0.67	
MAX	0.57	1.80	1.33	1.39	1.70	3.41	3.08	3.86	2.86	2.20	1.23	1.23	3.86
MIN	0.40	0.41	0.75	0.67	0.79	1.35	1.31	1.09	0.99	0.90	0.67	0.57	0.40

ANNUAL MAX MOMENTARY GAGE HEIGHT 4.19 M (A.D), AT 9.00 HOURS, ON NOV 11, 1983
ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D), RIVER BED -2.18 M (A.D)
LEFT BANK ELEVATION 8.34 M (A.D)
RIGHT BANK ELEVATION 7.97 M (A.D), DRAINAGE AREA 229 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	1.69	0.85	5.80	2.81	3.37	10.24	23.90	12.40	5.60	4.80	5.40	2.39	
2	1.62	0.85	5.10	2.67	4.80	10.84	25.62	13.84	5.50	4.60	4.40	2.32	
3	1.55	0.85	4.70	2.46	4.20	34.18	23.72	27.69	5.30	4.80	4.00	2.18	
4	1.48	0.78	5.50	2.39	4.80	30.70	16.20	13.36	5.70	4.40	3.79	2.18	
5	1.41	0.92	3.72	2.53	6.20	14.56	13.84	10.72	5.30	19.00	3.72	2.18	
6	1.27	1.13	2.95	2.60	5.10	9.90	12.04	13.96	5.10	12.64	3.65	2.04	
7	1.20	0.85	3.16	2.39	6.80	8.50	9.60	9.40	5.10	8.60	3.65	1.90	
8	1.13	0.85	3.09	2.39	7.70	12.64	10.12	9.60	5.00	8.40	3.65	1.90	
9	1.06	0.85	7.10	3.02	6.90	9.60	8.10	8.30	5.70	9.80	3.58	2.11	
10	0.99	0.71	6.30	8.90	4.80	14.20	16.33	16.98	6.30	9.20	3.37	2.46	
11	0.99	0.64	5.70	5.20	6.80	11.32	9.70	54.84	6.10	7.50	3.37	1.90	
12	0.92	0.57	8.30	4.70	7.00	8.60	18.70	19.60	5.10	6.60	7.30	1.76	
13	0.92	3.30	4.40	5.50	5.00	10.00	34.18	14.32	8.30	6.20	4.50	1.69	
14	0.92	2.74	4.40	7.60	5.30	41.79	17.80	14.56	8.60	5.60	3.72	1.83	
15	0.92	1.83	4.40	5.70	5.50	33.76	13.48	19.00	11.32	5.30	3.51	2.81	
16	0.92	1.41	5.00	4.70	10.36	19.60	11.92	12.88	12.16	5.10	3.37	2.60	
17	0.85	1.06	4.70	6.10	12.40	26.14	10.00	11.20	29.98	4.80	3.23	2.11	
18	0.85	0.99	4.50	6.10	9.10	14.20	11.56	11.08	14.68	4.60	3.09	1.90	
19	0.78	0.85	4.10	5.80	7.20	12.04	10.00	16.46	10.00	4.40	2.95	1.83	
20	0.78	0.78	3.51	4.90	6.20	12.28	19.45	17.37	8.40	4.10	2.88	4.60	
21	0.71	1.06	5.20	4.50	5.80	11.80	12.28	11.92	7.20	4.10	2.81	7.30	
22	0.71	1.06	4.80	4.10	5.30	13.84	10.12	10.12	6.80	4.10	2.74	3.02	
23	0.71	0.85	4.80	3.79	4.70	11.56	9.90	8.90	6.70	4.00	2.67	2.53	
24	0.71	0.85	5.40	3.93	4.40	9.80	9.60	8.20	6.20	13.00	2.60	2.74	
25	0.71	2.60	4.20	6.50	3.86	9.30	9.60	7.60	5.80	5.80	2.60	2.60	
26	0.64	1.90	3.65	4.70	3.58	11.80	12.04	7.00	6.00	4.80	2.60	2.39	
27	0.57	2.11	3.37	4.20	3.51	24.76	9.00	6.60	6.10	4.40	2.60	1.90	
28	0.57	4.10	4.00	3.86	3.37	21.40	17.24	6.90	5.60	4.50	2.53	1.90	
29	0.50	4.70	3.51	4.80	3.23	25.28	12.64	6.30	5.50	4.10	2.39	1.90	
30	0.92	7.20	2.95	3.51	3.86	25.10	15.36	5.90	5.20	4.30		2.39	
31		13.60		3.86	3.44		27.52		4.90	5.50		2.32	
TOTAL	29.00	62.84	138.31	136.21	174.58	509.73	461.56	407.00	235.24	199.04	100.67	75.68	2529.86 CMSDAY
MEAN	0.97	2.03	4.61	4.39	5.63	16.99	14.89	13.57	7.59	6.42	3.47	2.44	6.91 CMS
MAX	1.69	13.60	8.30	8.90	12.40	41.79	34.18	54.84	29.98	19.00	7.30	7.30	54.84 CMS
MIN	0.50	0.57	2.95	2.39	3.23	8.50	8.10	5.90	4.90	4.00	2.39	1.69	0.50 CMS
RUNOFF	2.506	5.429	11.950	11.769	15.084	44.041	39.879	35.165	20.325	17.197	8.698	6.539	218.580 MCM

MOMENTARY PEAK 66.60 CMS, AT 4.19 M (A.D), AT 9.00 HOURS, ON NOV 11, 1983

RUNOFF YIELD 30.18 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 290.83 LITERS/SECOND/SQUARE KM

WATER YEAR 1983

SOUTHERN PENINSULA WEST COAST

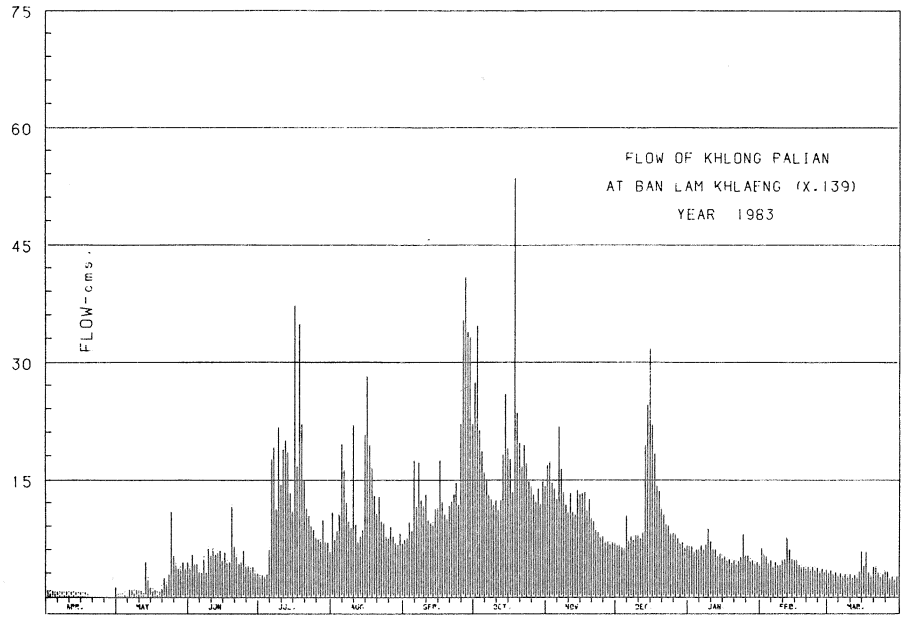
KHLONG PALIAN AT BAN LAM KHLAENG(2), TRANG (X.139)

LOCATION	LAT. 7°-19'-08" N., LONG. 99°-49'-03" N., ON RIGHT BANK AT BAN LAM KHLAENG(2), AMPHOE PALIAN, TRANG.
DRAINAGE AREA	153 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM	+0.00 M.(A.D.)
BENCH MARK	B.M.-H.D.
LOCATION	ON RIGHT BANK ABOUT 11 METERS FROM THE TOP OF STAFF GAGE.
ELEVATION	+5.106 M.(A.D.)
GAGE READING FREQUENCY	5-TIME DAILY READINGS AT 06.00, 09.00, 12.00, 15.00 AND 18.00 HOURS.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 5 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1983 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1983 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1983 TO DATE.
STABILITY OF CHANNEL REGIMES	FAIRLY STABLE.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS FAIR. STREAM GAGING BEGAN ON APR.1, 1983. STAGE-DISCHARGE RELATION DEFINED BY 76 DISCHARGE MEASUREMENTS MADE IN 1983.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.39	0.34	0.68	0.58	1.20	0.97	2.31	1.61	0.89	0.92	0.86	0.64	
2	0.39	0.34	0.80	0.58	0.97	0.96	2.74	1.66	0.92	0.88	0.83	0.63	
3	0.38	0.35	0.73	0.59	1.03	1.13	1.93	1.46	0.87	0.85	0.78	0.62	
4	0.37	0.37	0.70	0.59	1.20	1.03	1.73	1.43	0.88	0.85	0.74	0.61	
5	0.37	0.34	0.64	0.87	1.79	1.67	1.57	1.32	1.17	0.88	0.74	0.60	
6	0.37	0.44	0.61	1.66	1.59	1.25	1.49	1.96	0.96	0.89	0.70	0.60	
7	0.37	0.39	0.78	1.78	1.29	1.66	1.38	1.58	0.98	0.88	0.72	0.59	
8	0.37	0.39	0.61	1.23	1.14	1.31	1.32	1.40	0.98	0.90	0.72	0.59	
9	0.37	0.39	0.88	1.95	1.06	1.28	1.29	1.27	0.99	1.08	0.69	0.59	
10	0.37	0.38	0.79	1.44	1.97	1.36	1.31	1.22	1.02	0.93	0.77	0.59	
11	0.37	0.38	0.86	1.76	1.09	1.15	1.25	1.37	0.96	0.89	0.75	0.59	
12	0.37	0.35	0.80	1.82	0.95	1.10	1.31	1.23	1.04	0.85	0.99	0.58	
13	0.36	0.72	0.84	1.74	0.98	1.11	1.72	1.18	1.78	0.82	0.85	0.58	
14	0.36	0.55	0.84	1.37	1.07	1.23	2.20	1.42	2.14	0.81	0.79	0.62	
15	0.36	0.42	0.76	1.23	1.87	1.26	1.78	1.36	2.56	0.80	0.74	0.86	
16	0.36	0.41	0.82	2.89	2.36	1.65	1.66	1.40	1.98	0.78	0.77	0.68	
17	0.36	0.39	0.74	1.62	1.78	1.32	1.40	1.38	1.71	0.77	0.69	0.85	
18	0.34	0.37	0.72	2.75	1.61	1.18	3.85	1.24	1.46	0.75	0.69	0.61	
19	0.33	0.37	1.27	1.98	1.35	1.16	2.07	1.32	1.39	0.75	0.67	0.60	
20	0.32	0.45	0.88	1.48	1.21	1.26	1.80	1.17	1.26	0.74	0.67	0.67	
21	0.32	0.54	0.80	1.26	1.34	1.32	1.62	1.12	1.18	0.73	0.67	0.70	
22	0.31	0.49	0.70	1.17	1.14	1.36	1.78	1.06	1.12	0.73	0.67	0.61	
23	0.31	0.59	0.75	1.10	1.10	1.48	1.65	1.02	1.08	0.80	0.67	0.60	
24	0.31	1.23	0.84	1.04	1.00	1.27	1.47	1.00	1.03	1.00	0.67	0.59	
25	0.31	0.79	0.70	0.99	0.96	1.98	1.45	0.98	1.01	0.82	0.66	0.66	
26	0.31	0.71	0.68	0.95	1.09	2.78	1.36	0.95	1.03	0.79	0.65	0.62	
27	0.31	0.65	0.66	0.95	0.98	3.12	1.32	0.93	0.96	0.76	0.65	0.57	
28	0.30	0.67	0.67	1.13	0.94	2.69	1.41	0.93	0.94	0.74	0.65	0.56	
29	0.30	0.72	0.63	0.95	0.90	2.67	1.30	0.92	0.92	0.73	0.64	0.56	
30	0.45	0.68	0.60	0.92	1.03	1.96	1.47	0.94	0.90	0.72		0.56	
31		0.72		0.85	0.91		1.46		0.89	0.72		0.56	
MEAN	0.35	0.51	0.76	1.33	1.25	1.52	1.69	1.26	1.19	0.82	0.73	0.62	
MAX	0.45	1.23	1.27	2.89	2.36	3.12	3.85	1.96	2.56	1.08	0.99	0.86	3.85
MIN	0.30	0.34	0.60	0.58	0.90	0.96	1.25	0.92	0.87	0.72	0.64	0.56	0.30

ANNUAL MAX MOMENTARY GAGE HEIGHT 4.29 M (A.D), AT 11.00 HOURS, ON OCT 18, 1983
ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D), RIVER BED 0.05 M (A.D)
LEFT BANK ELEVATION 4.38 M (A.D)
RIGHT BANK ELEVATION 4.84 M (A.D), DRAINAGE AREA 153 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.90	0.40	3.96	2.80	10.80	7.61	27.70	16.85	6.57	6.96	6.18	3.48	
2	0.90	0.40	5.40	2.80	7.61	7.48	34.68	17.60	6.96	6.44	5.79	3.36	
3	0.80	0.50	4.56	2.90	8.42	9.82	21.65	14.60	6.31	6.05	5.16	3.24	
4	0.70	0.70	4.20	2.90	10.80	8.42	18.65	14.15	6.44	6.05	4.68	3.12	
5	0.70	0.40	3.48	6.31	19.55	17.75	16.25	12.50	10.38	6.44	4.68	3.00	
6	0.70	1.40	3.12	17.60	16.55	11.50	15.05	22.10	7.48	6.57	4.20	3.00	
7	0.70	0.90	5.16	19.40	12.06	17.60	13.40	16.40	7.74	6.44	4.44	2.90	
8	0.70	0.90	3.12	11.22	9.96	12.35	12.50	13.70	7.74	6.70	4.44	2.90	
9	0.70	0.90	6.44	21.95	8.84	11.92	12.06	11.78	7.87	9.12	4.08	2.90	
10	0.70	0.80	5.28	14.30	22.25	13.10	12.35	11.08	8.28	7.09	5.04	2.90	
11	0.70	0.80	6.18	19.10	9.26	10.10	11.50	13.25	7.48	6.57	4.80	2.90	
12	0.70	0.50	5.40	20.00	7.35	9.40	12.35	11.22	8.56	6.05	7.87	2.80	
13	0.60	4.44	5.92	18.80	7.74	9.54	18.50	10.52	19.40	5.66	6.05	2.80	
14	0.60	2.50	5.92	13.25	8.98	11.22	25.93	14.00	24.96	5.53	5.28	3.24	
15	0.60	1.20	4.92	11.22	20.75	11.64	19.40	13.10	31.74	5.40	4.68	6.18	
16	0.60	1.10	5.66	37.23	28.51	17.45	17.60	13.70	22.40	5.16	5.04	3.96	
17	0.60	0.90	4.68	17.00	19.40	12.50	13.70	13.40	18.35	5.04	4.08	6.05	
18	0.40	0.70	4.44	34.85	16.85	10.52	53.55	11.36	14.60	4.80	4.08	3.12	
19	0.30	0.70	11.78	22.40	12.95	10.24	23.83	12.50	13.55	4.80	3.84	3.00	
20	0.20	1.50	6.44	14.90	10.94	11.64	19.70	10.38	11.64	4.68	3.84	3.84	
21	0.20	2.40	5.40	11.64	12.80	12.50	17.00	9.68	10.52	4.56	3.84	4.20	
22	0.10	1.90	4.20	10.38	9.96	13.10	19.40	8.84	9.68	4.56	3.84	3.12	
23	0.10	2.90	4.80	9.40	9.40	14.90	17.45	8.28	9.12	5.40	3.84	3.00	
24	0.10	11.22	5.92	8.56	8.00	11.78	14.75	8.00	8.42	8.00	3.84	2.90	
25	0.10	5.28	4.20	7.87	7.48	22.40	14.45	7.74	8.14	5.66	3.72	3.72	
26	0.10	4.32	3.96	7.35	9.26	35.36	13.10	7.35	8.42	5.28	3.60	3.24	
27	0.10	3.60	3.72	7.35	7.74	41.14	12.50	7.09	7.48	4.92	3.60	2.70	
28	0.00	3.84	3.84	9.82	7.22	33.84	13.85	7.09	7.22	4.68	3.60	2.60	
29	0.00	4.44	3.36	7.35	6.70	33.52	12.20	6.96	6.96	4.56	3.48	2.60	
30	1.50	3.96	3.00	6.96	8.42	22.10	14.75	7.22	6.70	4.44		2.60	
31		4.44		6.05	6.83		14.60		6.57	4.44		2.60	
TOTAL	15.10	69.94	148.46	403.66	363.38	472.44	564.40	352.44	337.68	178.05	131.61	101.97	3139.13 CMSDAY
MEAN	0.50	2.26	4.95	13.02	11.72	15.75	18.21	11.75	10.89	5.74	4.54	3.29	8.58 CMS
MAX	1.50	11.22	11.78	37.23	28.51	41.14	53.55	22.10	31.74	9.12	7.87	6.18	53.55 CMS
MIN	0.00	0.40	3.00	2.80	6.70	7.48	11.50	6.96	6.31	4.44	3.48	2.60	0.00 CMS
RUNOFF	1.305	6.043	12.827	34.876	31.396	40.819	48.764	30.451	29.176	15.384	11.371	8.810	271.221 MCM

MOMENTARY PEAK 61.42 CMS, AT 4.29 M (A.D), AT 11.00 HOURS, ON OCT 18, 1983

RUNOFF YIELD 56.06 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 401.44 LITERS/SECOND/SQUARE KM

SUSPENDED SEDIMENT STATIONS

1. Nam Mae Chaem at Kaeng Ob Luang, Chiang Mai (P. 14)
2. Ping River at BanTha Sala, Chiang Mai (P. 19A)
3. Yom River at Ban Kaeng Luang, Sukhothai (Y. 6)
4. Yom River at Ban Don Rabiang, Sukhothai (Y. 14)
5. Nan River at Nan, Nan (N. 1)
6. Nan River at Phitsanulok, Phitsanulok (N. 5A)
7. Nam Pat at BanWang Bang, Uttaradit (N. 33)
8. Chao Phraya River at Nakhon Sawan, Nakhon Sawan (C. 2)
9. Nam Mae Wong at Ban Pong Makha, Kamphaeng Phet (Ct. 5A)
10. Pasak River at Ban Muang Nua, Saraburi (S. 9)
11. Huai Nam Kam at Ban Dan Muang Kham, Sakon Nakhon (Kh. 63)
12. Lam Nam Bang at Ban Dong I Nam, Nakhon Phanom (Kh. 66)
13. Chi River at Ban Tha Phra, Khon Kaen (E. 16A)
14. Chi River at Ban Nong O, Chaiyaphum (E. 32A)
15. Mun River at Seri Prachathippatai Bridge, Ubon Ratchathani (M. 7)
16. Lam Dom Yai at Det Udom, Ubon Ratchathani (M. 80)
17. Lam Takhong at Pak Chong, Nakhon Ratchasima (M. 89)
18. Huai Lam Plai Mat at Ban Non Sombun, Nakhon Ratchasima (M. 121)
19. Prachin Buri River at Kabin Buri, Prachin Buri (Kgt. 3)
20. Khlong Phra Sathung at Ban Wang Khian, PrachinBuri (Kgt. 10)
21. Khlong Phra Prong at Ban Kaeng, Prachin Buri (Kgt. 12)
22. Huai Yang at Ban Thung Faek, PrachinBuri (Kgt. 14)
23. Chanthaburi River at Ban Puk, Chanthaburi (Z. 13)
24. Khwae Noi River at Ban Lum Sum, Kanchanaburi (K. 10)
25. Huai Mae Prachan at Ban Sa Yai Non, Phetchaburi (B. 6)
26. Khlong Tha Khae at Ban Tha Khae, Phatthalung (X. 68)
27. Khlong Yai at Ban Sala Meng, Phatthalung (X. 82)
28. Khlong U Taphao at Ban Bang Sala, Songkhla (X. 90)
29. Khlong Sadao at Ban Phrai, Songkhla (X. 111)
30. Khlong Lam at Ban Thung Prap (1), Songkhla (X. 113)
31. Kolok River at Sungai Kolok, Narabhiwat (X. 119)
32. Khlong Tha Ma Dua at Ban Khlong Ai To, Phatthalung (X. 129)

WATER YEAR 1983

PING RIVER BASIN

NAM MAE CHAEM AT KAENG OB LUANG, CHIANG MAI (P.14)

LOCATION LAT. 18-13-49 N., LONG. 98-33-35 E., ON RIGHT BANK NEAR THE BRIDGE OF HOT-MAE SARIANG HIGHWAY AT GUIDEPOST 7+500, AMPHOE HOT, CHIANG MAI.

DRAINAGE AREA 3,853 SQ.KM.

METHOD OF SAMPLING DEPTH INTEGRATING

INSTRUMENT USED US.D-49

PERIOD OF AVAILABLE RECORDS 1967-1975,1983 TO DATE

ACTUAL MEASUREMENT 1970-1971,1983 TO DATE

REMARKS CONTINUED SEDIMENT STATION
USING RATING CURVE WATER YEAR 1983

SUSPENDED SEDIMENT, IN TONS PER DAY, WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	1.5	0.2	54.4	1.5	137.7	3979.2	560.9	1098.1	794.0	193.4	38.9	8.9	
2	1.5	0.2	30.5	1.9	137.7	2272.0	358.4	1476.4	741.3	178.2	38.9	8.9	
3	1.9	0.2	17.6	4.7	137.7	2815.4	1650.7	1938.8	643.3	163.9	34.5	6.6	
4	1.9	0.3	7.6	6.6	283.4	4777.5	24612.2	1938.8	601.1	150.4	30.5	6.6	
5	1.5	0.6	8.9	11.7	209.5	17907.5	87263.3	1394.4	601.1	137.7	26.8	5.6	
6	1.2	0.4	6.6	6.6	4365.5	7022.1	27193.7	1098.1	560.9	126.8	26.8	4.7	
7	1.2	0.4	6.6	3.2	4167.9	5682.9	5934.8	849.3	560.9	126.8	26.8	4.7	
8	1.0	0.7	4.7	2.3	1839.1	2672.7	3119.0	691.1	560.9	116.6	30.5	3.9	
9	1.2	0.6	8.9	2.3	4365.5	3794.3	2042.2	691.1	522.6	116.6	30.5	3.9	
10	1.5	0.3	106.9	2.3	1743.1	4365.5	1938.8	1743.1	486.2	116.6	60.5	3.9	
11	1.2	0.2	163.9	1.9	643.3	2272.0	1743.1	6462.3	451.7	116.6	60.5	3.9	
12	1.0	0.2	3280.1	43.7	560.9	2272.0	1839.1	8570.4	418.9	116.6	54.4	3.2	
13	1.0	0.2	2042.2	13.4	1938.8	1839.1	2672.7	328447.2	387.8	106.9	48.9	3.2	
14	0.7	0.2	244.5	13.4	2815.4	1743.1	1839.1	167088.0	358.4	97.9	48.9	3.2	
15	0.7	0.4	43.7	17.6	1650.7	2401.0	4167.9	56115.2	358.4	89.3	43.7	3.2	
16	0.7	0.2	11.7	8.9	1031.6	1394.4	13106.8	19976.4	304.4	81.4	43.7	3.2	
17	0.7	0.2	4.7	7.6	418.9	849.3	92058.2	16188.9	304.4	81.4	54.4	3.2	
18	0.7	0.2	2.7	10.2	1650.7	643.3	35006.5	10876.1	263.4	81.4	30.5	2.7	
19	1.0	0.2	2.7	26.8	2533.4	794.0	16748.2	6738.1	244.5	73.9	23.5	2.7	
20	1.9	0.1	2.7	89.3	794.0	2272.0	28095.1	4365.5	226.5	67.0	15.2	2.7	
21	1.5	0.1	2.7	126.8	451.7	4566.9	12637.0	3119.0	226.5	67.0	11.7	2.3	
22	1.2	0.1	1.9	48.9	691.1	3794.3	5444.5	2533.4	193.4	60.5	10.2	2.3	
23	1.0	0.1	1.5	23.5	643.3	1743.1	2815.4	2042.2	193.4	54.4	8.9	2.3	
24	1.0	0.1	1.9	20.4	486.2	794.0	2272.0	1743.1	178.2	48.9	8.9	1.9	
25	0.7	0.1	3.2	73.9	486.2	451.7	3979.2	1561.9	178.2	48.9	8.9	1.5	
26	0.4	0.1	7.6	54.4	451.7	2149.4	3444.9	1315.6	178.2	48.9	8.9	1.5	
27	0.4	1.9	3.9	38.9	601.1	2672.7	2272.0	1098.1	178.2	48.9	8.9	1.5	
28	0.3	1938.8	2.7	48.9	560.9	849.3	1561.9	968.1	244.5	43.7	8.9	1.5	
29	0.2	418.9	2.3	89.3	522.6	1476.4	1839.1	968.1	601.1	43.7	8.9	1.5	
30	0.2	67.0	1.9	193.4	418.9	849.3	1561.9	849.3	486.2	43.7		1.5	
31		38.9		163.9	3280.1		1240.0		263.4	43.7		1.5	
TOTAL	30.9	2472.1	6081.2	1158.2	40018.6	91116.4	391018.6	653946.2	12312.0	2891.7	852.6	108.2	1202006.9 TONDAY
MEAN	1.0	79.7	202.7	37.4	1290.9	3037.2	12613.5	21798.2	397.2	93.3	29.4	3.5	
MAX	1.9	1938.8	3280.1	193.4	4365.5	17907.5	92058.2	328447.2	794.0	193.4	60.5	8.9	328447.2
MIN	0.2	0.1	1.5	1.5	137.7	451.7	358.4	691.1	178.2	43.7	8.9	1.5	0.1

WATER YEAR 1983

PING RIVER BASIN

PING RIVER AT BAN THA SALA, CHIANG MAI (P.19A)

LOCATION	LAT. 18-25-29 N., LONG. 98-42-17 E., ON LEFT BANK ABOUT 300 METERS DOWNSTREAM FROM CONFLUENCE WITH LI RIVER, AMPHOE CHOM THONG, CHIANG MAI.
DRAINAGE AREA	14,023 SQ.KM.
METHOD OF SAMPLING	DEPTH INTEGRATING
INSTRUMENT USED	US.D-49
PERIOD OF AVAILABLE RECORDS	1958 TO DATE
ACTUAL MEASUREMENT	1966-1968,1970-1972,1974-1979
REMARKS	DISCONTINUED SEDIMENT STATION USING RATING CURVE WATER YEAR 1966-1968,1970-1972,1974-1979

SUSPENDED SEDIMENT, IN TONS PER DAY, WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.8	0.4	0.7	1.4	12.2	1757.5	1254.0	1273.4	1254.0	432.7	64.3	5.1	
2	0.7	0.3	0.7	1.4	17.3	3227.1	1312.5	1273.4	1196.4	377.7	56.5	5.1	
3	0.7	0.3	0.7	1.1	49.1	4063.2	1597.4	1420.1	1102.9	357.6	49.1	5.1	
4	0.7	0.2	0.3	1.3	138.3	5464.3	2583.4	1530.1	1049.8	337.9	56.5	5.1	
5	0.5	0.1	0.1	1.3	290.2	6570.5	5075.0	1552.4	980.2	299.5	40.0	4.2	
6	0.5	0.1	0.1	1.3	350.5	7171.4	6045.3	1507.9	929.7	264.6	34.8	4.2	
7	0.5	0.1	0.1	1.1	360.9	7297.4	5730.3	1333.8	881.5	231.0	37.4	3.5	
8	0.5	0.1	2.3	1.1	558.0	6149.3	5376.5	1215.5	849.8	214.7	27.3	3.5	
9	0.4	0.1	5.1	1.0	763.0	4867.3	4580.9	1196.4	802.9	207.2	25.0	3.5	
10	0.4	0.1	26.8	1.1	662.4	4181.0	3869.2	1642.7	772.7	185.1	29.8	3.5	
11	0.4	0.1	218.5	1.3	572.6	3830.7	3327.3	3062.2	758.2	185.1	49.1	2.7	
12	0.4	0.1	382.2	1.3	647.2	4102.4	2645.8	4063.2	743.7	185.1	52.8	2.7	
13	0.4	0.1	617.0	1.3	1295.4	4743.9	2241.6	6677.2	714.9	177.9	64.3	2.0	
14	0.4	0.1	440.3	1.3	1842.1	4908.6	1941.6	13052.4	686.5	163.8	60.4	2.0	
15	0.5	0.1	218.5	1.1	1488.4	5289.1	1665.4	16471.8	658.4	150.0	72.3	1.4	
16	0.4	0.1	203.0	0.8	1273.4	5864.7	1941.6	15021.2	618.3	150.0	72.3	0.9	
17	0.3	0.1	78.5	1.1	897.5	6464.4	4784.9	13651.8	605.3	137.0	90.3	0.8	
18	0.3	0.1	28.8	1.0	714.9	6517.4	8328.0	11955.0	579.6	124.8	80.6	0.6	
19	0.3	0.1	9.9	0.7	672.4	5685.7	8960.6	9810.6	566.9	130.9	60.4	0.5	
20	0.3	0.0	6.4	0.8	566.9	4784.9	9810.6	7000.1	541.7	112.9	49.1	0.4	
21	0.2	0.0	4.5	3.1	468.2	4419.6	9810.6	5376.5	516.8	101.4	42.7	0.3	
22	0.2	0.0	3.7	4.0	541.7	4703.0	8001.6	4339.6	504.5	101.4	37.4	0.4	
23	0.2	0.0	3.1	5.1	644.5	4063.2	5819.8	3602.4	480.2	107.1	29.8	0.4	
24	0.2	0.0	2.6	3.7	758.2	3394.7	4181.0	3029.5	456.3	112.9	22.7	0.4	
25	0.3	0.0	2.3	5.1	818.4	2525.4	3095.0	2583.4	444.4	118.8	17.9	0.3	
26	0.3	0.0	2.3	17.3	758.2	1968.3	2353.9	2103.6	432.7	95.8	14.3	0.3	
27	0.2	0.0	3.4	20.9	913.6	1757.5	1862.0	1862.0	409.5	76.4	10.9	0.3	
28	0.2	0.4	3.4	17.3	1196.4	1507.9	1597.4	1665.4	377.7	72.3	6.9	0.3	
29	0.4	0.7	3.7	15.6	1085.2	1292.9	1463.8	1507.9	456.3	76.4	6.0	0.2	
30	0.7	0.4	2.6	13.9	881.5	1120.8	1463.8	1333.8	592.4	68.2		0.2	
31		0.4		12.2	897.5		1376.7		529.2	64.3		0.2	
TOTAL	12.3	4.6	2271.6	141.0	22136.1	129694.1	124097.5	142115.3	21493.4	5420.5	1260.9	60.1	448707.4 TONDAY
MEAN	0.4	0.1	75.7	4.5	714.1	4323.1	4003.1	4737.2	693.3	174.9	43.5	1.9	
MAX	0.8	0.7	617.0	20.9	1842.1	7297.4	9810.6	16471.8	1254.0	432.7	90.3	5.1	16471.8
MIN	0.2	0.0	0.1	0.7	12.2	1120.8	1254.0	1196.4	377.7	64.3	6.0	0.2	0.0

WATER YEAR 1983

YOM RIVER BASIN

YOM RIVER AT BAN KAENG LUANG, SUKHOTHAI (Y.6)

LOCATION	LAT. 17-26-03 N., LONG. 99-47-32 E., ON LEFT BANK ABOUT 150 METERS UPSTREAM FROM KAENG LUANG, AMPHOE SI SATCHANALAI, SUKHOTHAI.
DRAINAGE AREA	12,658 SQ.KM.
METHOD OF SAMPLING	DEPTH INTEGRATING
INSTRUMENT USED	US.D-49
PERIOD OF AVAILABLE RECORDS	1953-1975,1980 TO DATE
ACTUAL MEASUREMENT	1952,1963-1966,1980 TO DATE
REMARKS	CONTINUED SEDIMENT STATION USING RATING CURVE WATER YEAR 1983

SUSPENDED SEDIMENT, IN TONS PER DAY, WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	2.9	1.4	60.6	41.1	2485.4	3123.7	2013.7	845.7	448.9	118.2	24.3	18.3	
2	3.2	1.2	448.9	31.4	2275.1	5185.8	2977.2	861.9	418.6	125.9	22.6	18.3	
3	3.5	0.9	408.6	29.6	2070.9	8184.4	3395.3	994.8	389.0	122.1	21.5	19.3	
4	3.5	3.5	231.5	35.2	3085.5	10791.5	2907.5	994.8	379.2	114.5	20.4	19.3	
5	3.5	1.8	143.7	99.8	2701.6	7887.6	8636.1	927.6	369.6	107.0	20.4	18.3	
6	3.5	1.2	89.2	79.0	2042.2	7197.2	14482.8	878.1	350.5	103.4	20.4	16.2	
7	3.2	1.6	62.9	53.8	2701.6	9484.3	11965.9	797.7	341.1	96.2	19.3	14.3	
8	3.2	2.9	66.0	49.5	4013.1	11873.2	8484.6	704.6	322.6	85.7	20.4	12.4	
9	2.9	4.5	69.2	35.2	3553.7	13000.8	6659.8	644.6	304.4	75.7	21.5	11.5	
10	2.6	14.3	66.0	26.0	2546.6	15632.3	7609.0	633.2	277.7	69.2	20.4	11.1	
11	2.4	122.1	66.0	22.6	3239.2	10705.9	11688.6	704.6	260.4	66.0	20.4	10.2	
12	2.4	75.7	99.8	92.6	2803.9	10877.3	7061.6	1011.9	251.9	62.9	20.4	9.8	
13	2.1	99.8	633.2	96.2	2304.8	13000.8	4968.3	2515.9	243.4	60.6	20.4	8.9	
14	1.8	501.0	845.7	51.6	2364.5	13000.8	3836.5	3434.7	231.5	58.3	20.4	8.5	
15	1.8	576.9	961.0	35.2	3553.7	21027.5	3674.1	4013.1	219.8	58.3	19.3	8.1	
16	1.8	295.4	479.9	37.1	2394.5	28557.9	5629.6	3474.2	191.5	56.0	17.3	7.7	
17	1.8	180.5	237.5	60.6	1575.4	17197.3	13969.8	2424.7	197.0	56.0	17.3	7.7	
18	1.8	225.7	133.7	164.4	1098.5	11049.6	8409.2	1790.2	191.5	53.8	18.3	7.7	
19	1.8	331.8	92.6	231.5	927.6	7747.9	5240.6	1484.2	186.0	51.6	19.3	7.3	
20	2.1	186.0	66.0	169.7	944.2	14174.3	4334.3	1336.2	164.4	47.3	19.3	7.3	
21	2.1	122.1	51.6	501.0	1817.7	25528.0	3513.9	1063.6	148.8	45.2	20.4	6.9	
22	2.1	85.7	43.2	428.6	3356.0	17074.1	3047.5	994.8	133.7	39.1	20.4	6.6	
23	2.1	62.9	35.2	260.4	2334.6	13096.3	2424.7	894.5	125.9	35.2	20.4	6.6	
24	1.8	56.0	31.4	689.5	1985.3	8788.4	2042.2	797.7	125.9	31.4	20.4	6.2	
25	1.6	51.6	99.8	782.0	3278.0	6034.3	1708.6	704.6	114.5	31.4	20.4	6.2	
26	1.6	35.2	92.6	1601.7	3795.7	4542.5	1399.0	633.2	103.4	29.6	21.5	5.8	
27	1.6	29.6	58.3	1845.3	2304.8	3795.7	1173.4	588.0	92.6	29.6	21.5	5.5	
28	1.6	35.2	53.8	1233.7	1628.2	3085.5	1098.5	543.9	85.7	31.4	21.5	5.5	
29	1.4	49.5	58.3	829.6	1399.0	2515.9	1011.9	511.6	96.2	31.4	20.4	5.1	
30	1.4	103.4	49.5	894.5	1681.7	2128.6	927.6	490.4	103.4	29.6		5.1	
31		82.3		1735.7	2394.5		894.5		114.5	27.8		7.7	
TOTAL	69.1	3341.7	5835.7	12244.1	74657.5	326289.4	157186.3	37695.0	6983.6	1950.4	590.5	309.4	627152.7 TONDAY
MEAN	2.3	107.8	194.5	395.0	2408.3	10876.3	5070.5	1256.5	225.3	62.9	20.4	10.0	
MAX	3.5	576.9	961.0	1845.3	4013.1	28557.9	14482.8	4013.1	448.9	125.9	24.3	19.3	28557.9
MIN	1.4	0.9	31.4	22.6	927.6	2128.6	894.5	490.4	85.7	27.8	17.3	5.1	0.9

WATER YEAR 1983

YOM RIVER BASIN

YOM RIVER AT BAN DON RABIANG, SUKHOTHAI (Y.14)

LOCATION	LAT. 17-35-42 N., LONG. 99-43-08 E., ON LEFT BANK ABOUT 50 METERS FROM SI SATCHANALAI-DEN CHAI HIGHWAY NO. 101 AT GUIDEPOST 44 TH., AMPHOE SI SATCHANALAI, SUKHOTHAI.
DRAINAGE AREA	12,131 SQ.KM.
METHOD OF SAMPLING	DEPTH INTEGRATING
INSTRUMENT USED	US.D-49
PERIOD OF AVAILABLE RECORDS	1964 TO DATE
ACTUAL MEASUREMENT	1969-1971,1973 TO DATE
REMARKS	CONTINUED SEDIMENT STATION USING RATING CURVE WATER YEAR 1983

SUSPENDED SEDIMENT, IN TONS PER DAY, WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	1.9	0.5	69.8	34.2	2340.3	3004.5	1842.3	604.3	291.6	101.2	27.3	15.8	
2	1.9	0.5	403.9	55.1	1842.3	4188.9	2968.7	686.6	268.7	105.6	25.2	17.2	
3	1.9	0.4	232.1	34.2	1842.3	7232.4	2933.1	729.2	261.2	101.2	23.1	18.6	
4	1.9	0.4	148.5	46.8	2933.1	9011.8	2619.2	686.6	253.8	96.8	21.6	18.6	
5	1.9	0.5	96.8	96.8	2099.1	6170.4	12152.7	645.0	246.5	92.5	21.6	17.2	
6	1.9	1.3	66.8	63.8	1969.2	7289.9	15467.6	590.9	232.1	88.3	20.1	13.2	
7	1.7	1.7	57.9	57.9	3559.9	9154.4	12152.7	538.6	225.0	76.1	21.6	12.0	
8	1.5	1.9	66.8	44.2	3713.7	13239.2	7521.9	475.6	213.4	69.8	25.2	9.6	
9	1.3	10.8	60.8	34.2	2676.4	15359.7	6279.3	439.3	207.7	63.8	25.2	8.9	
10	1.3	63.8	57.9	25.2	2313.0	15901.9	8379.9	427.4	196.4	60.8	21.6	8.2	
11	1.3	101.2	55.1	31.9	2897.6	9587.2	11014.1	538.6	185.3	60.8	21.6	7.5	
12	1.3	63.8	138.5	105.6	2231.9	12421.2	6008.3	1019.7	179.9	57.9	21.6	6.1	
13	1.1	148.5	604.3	69.8	1842.3	12242.0	4236.2	2422.8	174.5	55.1	20.1	5.5	
14	1.1	604.3	729.2	39.1	2313.0	13701.7	3185.9	3371.0	169.2	55.1	18.6	4.9	
15	1.1	315.1	617.7	31.9	3040.5	26973.8	2968.7	3483.9	158.7	55.1	18.6	4.9	
16	1.1	169.2	253.8	41.6	1767.7	32073.2	5583.8	2762.9	138.5	55.1	17.2	4.3	
17	1.1	143.5	143.5	105.6	1101.9	17795.8	13608.7	1767.7	148.5	52.3	17.2	4.3	
18	1.1	232.1	92.5	190.8	758.1	9916.5	6170.4	1238.0	148.5	49.5	21.6	3.8	
19	1.1	207.7	66.8	158.7	645.0	7232.4	4048.2	1036.0	143.5	46.8	21.6	3.8	
20	1.1	124.0	57.9	163.9	847.3	18482.4	3408.5	877.8	128.8	44.2	21.6	3.3	
21	1.1	88.3	49.5	439.3	1792.4	28737.1	2762.9	714.9	119.3	41.6	21.6	3.3	
22	0.9	69.8	39.1	239.3	2705.1	18137.9	2313.0	672.7	110.1	36.6	20.1	3.3	
23	0.9	57.9	29.6	225.0	1743.0	12691.8	1817.3	590.9	110.1	34.2	20.1	3.0	
24	0.9	60.8	29.6	686.6	1718.5	7934.0	1480.4	513.1	105.6	34.2	21.6	2.8	
25	0.9	46.8	96.8	631.3	3483.9	5427.5	1220.7	451.3	92.5	31.9	21.6	2.8	
26	0.8	31.9	66.8	2020.8	2968.7	4094.9	971.6	403.9	84.2	31.9	21.6	2.5	
27	0.8	27.3	55.1	1388.8	1718.5	3296.5	893.2	364.1	76.1	31.9	20.1	2.3	
28	0.8	34.2	52.3	847.3	1186.3	2619.2	787.5	339.3	72.9	31.9	17.2	2.3	
29	0.6	52.3	55.1	617.7	1118.6	2099.1	700.7	323.1	84.2	29.6	15.8	2.5	
30	0.6	110.1	44.2	893.2	1621.8	1743.0	658.8	307.2	92.5	27.3		3.8	
31		57.9		1867.4	2205.1		604.3		96.8	27.3		6.8	
TOTAL	36.9	2828.5	4538.7	11288.0	64996.5	337760.3	146760.6	29022.4	5016.1	1746.4	611.9	223.1	604829.4 TONDAY
MEAN	1.2	91.2	151.3	364.1	2096.7	11258.7	4734.2	967.4	161.8	56.3	21.1	7.2	
MAX	1.9	604.3	729.2	2020.8	3713.7	32073.2	15467.6	3483.9	291.6	105.6	27.3	18.6	32073.2
MIN	0.6	0.4	29.6	25.2	645.0	1743.0	604.3	307.2	72.9	27.3	15.8	2.3	0.4

WATER YEAR 1983

NAN RIVER BASIN

NAN RIVER AT NAN, NAN (N.1)

LOCATION LAT. 18-46-23 N., LONG. 100-46-51 E., ON RIGHT BANK INFRONT OF FORESTRY OFFICE, AMPHOE MUANG, NAN.

DRAINAGE AREA 4,609 SQ.KM.

METHOD OF SAMPLING DEPTH INTEGRATING

INSTRUMENT USED US.D-49

PERIOD OF AVAILABLE RECORDS 1980 TO DATE

ACTUAL MEASUREMENT 1980 TO DATE

REMARKS CONTINUED SEDIMENT STATION

USING RATING CURVE WATER YEAR 1983

SUSPENDED SEDIMENT, IN TONS PER DAY, WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.5	0.4	25.4	474.2	3171.8	4707.1	1212.9	372.3	94.2	32.0	4.6	1.2	
2	0.5	3.0	15.3	181.6	9242.4	3556.2	984.3	414.2	88.9	23.5	4.2	1.0	
3	0.5	32.0	6.5	83.9	11195.0	3234.1	1642.0	414.2	83.9	20.0	3.9	0.9	
4	0.4	34.7	4.6	50.2	12764.3	4967.7	2477.8	414.2	83.9	16.8	3.9	0.9	
5	0.4	25.4	4.6	32.0	10472.9	5146.0	14482.7	428.8	74.2	15.3	3.9	0.9	
6	0.3	29.4	4.6	27.4	7977.8	7857.2	12272.9	428.8	61.0	13.9	3.6	0.9	
7	0.3	8.8	5.2	21.7	3690.0	11195.0	13954.1	414.2	53.7	12.6	3.0	1.0	
8	0.3	12.6	5.2	32.0	3966.1	8723.7	16574.8	400.0	46.8	12.6	3.0	1.2	
9	0.3	34.7	6.5	13.9	3622.8	5327.8	12930.5	372.3	43.6	10.6	2.7	1.2	
10	0.3	99.6	9.7	9.7	3234.1	3622.8	7155.7	272.8	40.5	8.8	2.7	1.0	
11	0.3	53.7	12.6	8.8	3826.6	2929.5	4553.0	209.6	40.5	8.8	2.7	1.0	
12	0.3	11.6	20.0	10.6	3110.2	5056.4	3360.9	200.0	37.5	8.8	2.5	1.0	
13	0.3	37.5	40.5	15.3	2698.2	7857.2	2586.7	741.7	37.5	8.0	2.5	0.9	
14	0.3	34.7	505.9	43.6	1682.6	15783.9	2073.9	1038.8	34.7	8.0	3.6	0.9	
15	0.3	46.8	53.7	40.5	1095.1	11641.6	1682.6	522.3	34.7	8.0	3.3	0.9	
16	0.3	11.6	34.7	69.7	806.4	7385.3	1373.6	386.0	32.0	8.0	3.3	0.9	
17	0.3	11.6	15.3	741.7	2028.1	9242.4	1337.5	308.0	29.4	8.0	3.3	0.8	
18	0.3	8.0	8.0	443.6	4707.1	40921.7	1485.3	261.6	27.4	8.0	3.3	0.8	
19	0.3	3.9	5.8	682.7	3110.2	31492.6	1274.3	250.7	27.4	8.0	3.6	0.6	
20	0.4	3.0	4.2	7385.3	4477.1	14305.3	1410.3	209.6	27.4	8.0	3.6	0.6	
21	2.7	2.5	3.6	3490.4	9778.4	11951.5	1066.8	181.6	29.4	7.2	3.6	0.5	
22	3.9	2.2	2.7	1066.8	21560.4	7737.7	855.2	181.6	37.5	7.2	3.3	0.4	
23	6.5	1.8	3.3	3360.9	11792.7	5513.4	741.7	147.7	34.7	6.5	2.2	0.4	
24	3.9	2.0	6.5	4401.9	5895.4	3966.1	682.7	117.8	32.0	6.5	2.0	0.4	
25	2.2	0.9	11.6	2698.2	7385.3	3110.2	608.3	110.9	27.4	6.5	1.8	0.4	
26	1.4	0.6	11.6	13266.7	25479.7	2477.8	590.5	105.2	27.4	6.5	1.4	0.3	
27	1.0	0.9	10.6	21327.9	65222.6	1938.2	458.8	99.6	25.4	6.5	1.4	0.3	
28	1.0	2.0	23.5	30344.7	46551.8	1807.8	414.2	99.6	25.4	5.8	1.6	0.3	
29	0.9	3.6	1243.4	13607.9	18012.6	2028.1	443.6	99.6	25.4	5.8	1.6	0.3	
30	0.8	46.8	2424.4	5607.5	9778.4	1682.6	474.2	94.2	50.2	5.2		0.3	
31		32.0		4401.9	6930.2		386.0		46.8	5.2		0.3	
TOTAL	31.2	598.3	4529.5	113943.2	325266.3	247166.9	111547.8	9297.9	1360.8	316.6	86.1	22.5	814167.2 TONDAY
MEAN	1.0	19.3	151.0	3675.6	10492.5	8238.9	3598.3	309.9	43.9	10.2	3.0	0.7	
MAX	6.5	99.6	2424.4	30344.7	65222.6	40921.7	16574.8	1038.8	94.2	32.0	4.6	1.2	65222.6
MIN	0.3	0.4	2.7	8.8	806.4	1682.6	386.0	94.2	25.4	5.2	1.4	0.3	0.3

WATER YEAR 1983

NAN RIVER BASIN

NAN RIVER AT PHITSANULOK, PHITSANULOK (N.5A)

LOCATION	LAT. 16-49-15 N., LONG. 100-15-49 E., ON LEFT BANK NEAR THE POST OFFICE AND ABOUT 1 KILOMETER UPSTREAM FROM GAGING STATION N.5, AMPHOE MUANG, PHITSANULOK.
DRAINAGE AREA	25,286 SQ.KM.
METHOD OF SAMPLING	DEPTH INTEGRATING
INSTRUMENT USED	US.D-49
PERIOD OF AVAILABLE RECORDS	1951-1956,1983 TO DATE
ACTUAL MEASUREMENT	1950-1951,1983 TO DATE
REMARKS	CONTINUED SEDIMENT STATION USING RATING CURVE WATER YEAR 1983

SUSPENDED SEDIMENT, IN TONS PER DAY, WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	7185.2	7311.0	1383.7	1848.4	2156.8	1383.7	405.7	235.2	405.7	121.8	413.0	2182.0	
2	4879.4	5865.9	841.4	2131.8	2232.9	2033.4	324.6	264.7	558.4	128.3	1330.8	2469.9	
3	6235.3	3727.8	1089.9	2033.4	3472.7	1401.6	324.6	435.0	770.3	145.4	1034.6	2258.5	
4	9859.6	2984.3	2865.2	2497.0	4926.3	1786.2	370.7	363.9	466.4	249.4	865.9	1330.8	
5	10236.9	5068.6	994.2	1530.3	5970.2	1869.4	2607.3	363.9	484.1	254.2	817.3	2442.9	
6	10160.8	7374.3	558.4	1007.6	6181.8	2082.3	17096.7	370.7	466.4	125.0	1212.0	3993.1	
7	10778.4	8361.0	568.1	967.7	5814.2	2232.9	19350.1	337.5	466.4	103.4	1456.0	4740.1	
8	11515.0	8635.8	558.4	1089.9	6235.3	9128.8	16344.7	249.4	442.5	112.4	941.7	5020.9	
9	10700.0	11094.8	829.3	681.0	4335.7	27911.0	17867.7	259.1	435.0	109.3	1089.9	4468.3	
10	11341.2	9637.1	659.6	878.3	2336.5	19350.1	14497.2	484.1	435.0	109.3	1685.2	4603.0	
11	10778.4	5409.4	618.0	829.3	3044.8	11254.9	11341.2	539.2	405.7	100.5	2009.2	4119.7	
12	10544.4	3617.2	1062.1	577.8	4423.8	5660.5	7060.7	758.8	377.6	92.1	2131.8	1606.7	
13	9344.7	3044.8	1062.1	420.2	5970.2	2894.7	5409.4	2497.0	466.4	94.8	1848.4	994.2	
14	7437.9	2258.5	1456.0	1212.0	2182.0	4648.5	2777.8	3653.9	520.5	131.6	1786.2	2894.7	
15	6998.9	3199.1	2009.2	1262.2	994.2	10544.4	1869.4	3765.1	457.7	254.2	1401.6	4335.7	
16	8705.3	2865.2	2258.5	1626.1	638.6	15303.1	2057.7	2469.9	548.7	377.6	548.7	5068.6	
17	10313.3	3044.8	1313.5	1245.3	435.0	19466.9	5360.0	1725.2	638.6	466.4	442.5	5865.9	
18	10467.0	3690.7	2579.5	2720.3	405.7	14696.4	8635.8	1913.9	370.7	270.4	226.1	5509.1	
19	9710.9	4119.7	4292.0	1383.7	324.6	10935.9	7826.1	1890.5	318.3	324.6	239.9	6754.7	
20	9637.1	5509.1	3331.4	1530.3	344.0	7891.9	5213.1	1492.9	293.8	259.1	363.9	6754.7	
21	10236.9	4740.1	628.2	1765.7	398.6	5409.4	3044.8	1262.2	276.1	235.2	649.0	6634.4	
22	9128.8	4248.6	287.8	1827.5	829.3	5360.0	1961.2	670.2	282.0	442.5	3106.0	6235.3	
23	7826.1	4648.5	357.2	1848.4	1806.8	6937.4	1401.6	442.5	254.2	466.4	3916.2	6397.5	
24	7760.7	4786.3	270.4	1961.2	1511.5	8091.1	967.7	384.5	221.6	230.6	2720.3	6515.4	
25	7248.0	3472.7	357.2	2497.0	1034.6	3765.1	747.4	427.6	235.2	204.1	1348.3	4603.0	
26	5559.3	1530.3	442.5	2865.2	853.6	1848.4	713.8	577.8	152.6	208.4	1626.1	1348.3	
27	6456.3	1626.1	520.5	2777.8	903.3	1279.1	890.8	363.9	141.9	282.0	1848.4	235.2	
28	5917.9	1262.2	239.9	2954.2	1075.9	941.7	878.3	377.6	187.3	230.6	1456.0	4077.3	
29	6998.9	1765.7	331.0	2806.7	1279.1	770.3	466.4	427.6	199.8	466.4	1806.8	6343.2	
30	6754.7	1806.8	450.1	2691.8	1530.3	558.4	391.5	239.9	204.1	377.6		5814.2	
31		1806.8		2107.0	1848.4		344.0		138.4	254.2		5409.4	
TOTAL	260717.3	138513.2	34215.3	53575.1	75496.7	207437.5	158548.0	29243.7	11621.4	7227.8	40321.8	131026.7	1147944.6 TONDAY
MEAN	8690.6	4468.2	1140.5	1728.2	2435.4	6914.6	5114.5	974.8	374.9	233.2	1390.4	4226.7	
MAX	11515.0	11094.8	4292.0	2954.2	6235.3	27911.0	19350.1	3765.1	770.3	466.4	3916.2	6754.7	27911.0
MIN	4879.4	1262.2	239.9	420.2	324.6	558.4	324.6	235.2	138.4	92.1	226.1	235.2	92.1

WATER YEAR 1983

NAN RIVER BASIN

NAM PAT AT BAN WANG BANG, UTTARADIT (N.33)

LOCATION	LAT. 17-43-05 N., LONG. 100-34-32 E., ON RIGHT BANK ABOUT 4.5 KILOMETERS UPSTREAM FROM CONFLUENCE WITH NAN RIVER AT BAN WANG BANG, TAMBON SAEN TO, AMPHOE NAM PAT, UTTARADIT.
DRAINAGE AREA	2,463 SQ.KM.
METHOD OF SAMPLING	DEPTH INTEGRATING
INSTRUMENT USED	US.D-49
PERIOD OF AVAILABLE RECORDS	1967 TO DATE
ACTUAL MEASUREMENT	1971 TO DATE
REMARKS	CONTINUED SEDIMENT STATION USING RATING CURVE WATER YEAR 1983

SUSPENDED SEDIMENT, IN TONS PER DAY, WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.03	0.13	137.79	12.77	57.60	42.68	118.38	67.37	18.84	5.27	0.64	3.23	
2	0.05	0.12	62.41	10.26	344.11	251.25	106.09	62.41	17.24	5.27	0.76	2.78	
3	0.05	0.25	39.91	9.47	661.88	294.76	356.92	54.48	17.24	5.27	0.64	1.97	
4	0.03	2.36	22.21	22.21	331.50	2619.91	14816.38	48.44	15.69	4.72	0.56	1.27	
5	0.03	9.47	11.07	12.77	331.50	1302.28	5969.16	42.68	14.20	4.72	0.56	0.85	
6	0.03	11.91	7.25	8.70	494.76	2290.76	2733.44	42.68	12.77	4.20	0.56	0.76	
7	0.02	3.23	5.90	5.90	319.06	10209.51	8011.35	37.22	11.91	3.70	0.49	0.64	
8	0.02	1.27	5.90	4.20	2790.92	4938.52	2848.85	34.60	11.07	3.70	0.49	0.56	
9	0.01	0.76	10.26	3.23	2029.86	1928.99	1302.28	32.05	10.26	3.23	0.49	0.40	
10	0.00	0.33	562.40	4.72	1781.48	996.98	1115.27	29.58	10.26	3.23	0.40	0.33	
11	0.00	0.33	369.90	4.20	1055.48	524.40	682.54	29.58	9.47	2.78	0.40	0.25	
12	0.00	3.70	271.22	2.36	1638.61	494.76	494.76	94.33	9.47	1.97	0.33	0.25	
13	0.00	5.90	2398.55	1.61	939.80	494.76	601.43	829.46	7.96	2.36	0.33	0.33	
14	0.00	4.72	3985.99	1.61	319.06	3985.99	369.90	383.07	7.25	2.36	0.20	0.25	
15	0.00	1.97	480.19	1.61	172.65	2029.86	259.73	172.65	7.25	2.36	0.40	0.20	
16	0.00	0.76	158.34	1.61	112.17	1367.12	210.51	112.17	7.25	1.97	3.70	0.25	
17	0.00	3.23	62.41	1.61	67.37	1055.48	282.89	77.73	6.56	1.97	3.23	0.20	
18	0.00	4.72	34.60	2.78	158.34	641.48	423.64	62.41	5.90	1.97	4.20	0.20	
19	0.00	4.72	22.21	2.78	509.49	829.46	294.76	54.48	5.27	1.97	2.78	0.13	
20	0.01	11.07	17.24	2.78	234.62	802.72	383.07	48.44	5.27	1.61	5.90	0.20	
21	0.02	4.72	11.91	4.20	144.51	1055.48	259.73	42.68	4.72	1.61	4.72	0.20	
22	0.85	2.36	10.26	7.25	144.51	5969.16	195.01	37.22	4.20	1.27	3.70	1.97	
23	0.56	1.97	9.47	10.26	118.38	1334.54	151.36	34.60	4.20	1.27	3.23	11.91	
24	0.56	1.61	20.50	331.50	112.17	562.40	118.38	29.58	3.70	0.97	2.36	5.27	
25	0.33	0.97	34.60	124.72	94.33	396.41	137.79	27.66	3.70	1.27	1.61	2.36	
26	1.97	3.23	17.24	57.60	88.66	509.49	172.65	25.79	3.70	0.97	1.27	1.27	
27	0.85	37.22	11.07	165.43	137.79	480.19	100.14	23.97	3.23	0.97	4.20	0.76	
28	0.56	29.58	12.77	94.33	106.09	306.82	83.12	22.21	3.23	0.97	4.72	0.64	
29	0.33	218.43	14.20	42.68	72.48	195.01	77.73	20.50	3.70	0.85	3.70	0.49	
30	0.20	344.11	17.24	27.66	57.60	151.36	67.37	20.50	4.20	0.85		0.40	
31		242.88		57.60	45.53		67.37		5.27	0.76		0.33	
TOTAL	6.51	958.03	8825.01	1040.41	15472.31	48062.53	42812.01	2600.54	254.98	76.39	56.57	40.65	120205.94 TONDAY
MEAN	0.22	30.90	294.17	33.56	499.11	1602.08	1381.03	86.68	8.23	2.46	1.95	1.31	
MAX	1.97	344.11	3985.99	331.50	2790.92	10209.51	14816.38	829.46	18.84	5.27	5.90	11.91	14816.38
MIN	0.00	0.12	5.90	1.61	45.53	42.68	67.37	20.50	3.23	0.76	0.20	0.13	0.00

WATER YEAR 1983

CHAO PHRAYA RIVER BASIN

CHAO PHRAYA RIVER AT NAKHON SAWAN, NAKHON SAWAN (C.2)

LOCATION LAT. 15-40-15 N., LONG. 100-06-45 E., ON LEFT BANK AT KHAI CHIRA PRAWAT ABOUT 3 KILOMETERS DOWNSTREAM FROM DECHATIWONG BRIDGE, AMPHOE MUANG, NAKHON SAWAN.

DRAINAGE AREA 110,569 SQ.KM.

METHOD OF SAMPLING DEPTH INTEGRATING

INSTRUMENT USED US.P-61

PERIOD OF AVAILABLE RECORDS 1960 TO DATE

ACTUAL MEASUREMENT 1965-1966,1972-1980

REMARKS DISCONTINUED SEDIMENT STATION

USING RATING CURVE WATER YEAR 1972-1980

SUSPENDED SEDIMENT, IN TONS PER DAY, WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	10190.	11026.	8669.	3599.	9435.	9368.	20260.	44918.	30672.	5973.	4150.	9989.	
2	11345.	11852.	8453.	4263.	9215.	9656.	21584.	44402.	27864.	5693.	3928.	9878.	
3	10550.	11967.	7537.	5455.	9215.	11094.	22766.	47697.	26114.	5103.	4150.	9878.	
4	10034.	10257.	7684.	5912.	9435.	13895.	22265.	47820.	24764.	4794.	5142.	9479.	
5	9744.	8821.	8389.	6013.	9922.	16917.	22003.	46288.	23216.	4641.	5377.	10101.	
6	10145.	8303.	8152.	6973.	10550.	18573.	22186.	44251.	21401.	4489.	5416.	9589.	
7	10550.	9215.	7201.	6154.	11391.	19107.	24871.	42954.	20106.	4489.	5495.	9149.	
8	10595.	10145.	5912.	5220.	11898.	19030.	26986.	41307.	18878.	4263.	5495.	9589.	
9	10889.	10325.	5259.	5181.	12409.	19107.	28361.	39791.	17741.	4057.	5653.	10325.	
10	10595.	10550.	5613.	5574.	13183.	20648.	29414.	38169.	16620.	4020.	5534.	10370.	
11	11140.	10776.	6561.	5377.	13325.	21662.	31714.	37408.	15586.	3928.	5613.	10190.	
12	10889.	10437.	6561.	5181.	12924.	21845.	34566.	43586.	14639.	3891.	6194.	10437.	
13	10889.	9589.	6235.	4909.	13586.	22766.	37905.	45891.	13895.	3726.	6973.	10889.	
14	10844.	8821.	6602.	4717.	15148.	23641.	43345.	46440.	13065.	3635.	7014.	10437.	
15	10708.	8003.	6520.	4375.	15367.	23907.	47114.	49609.	12409.	3635.	6787.	9215.	
16	10190.	7579.	6704.	5025.	13515.	25464.	49609.	49609.	11598.	3672.	6828.	9302.	
17	9545.	7684.	7306.	5298.	11898.	26795.	51007.	49083.	11026.	3708.	7727.	10190.	
18	9744.	7769.	7875.	5534.	10776.	28250.	52977.	48651.	10550.	4150.	8496.	10776.	
19	10145.	7833.	8003.	5613.	10190.	29303.	54110.	49485.	9922.	4527.	8930.	10776.	
20	10257.	7727.	9302.	5832.	9744.	30252.	54994.	50323.	8821.	4489.	8930.	11345.	
21	10370.	8067.	9989.	6013.	9215.	30672.	57186.	49362.	8110.	4451.	8713.	10370.	
22	10550.	8260.	8561.	6602.	3105.	29721.	58144.	48220.	7621.	4263.	7621.	10437.	
23	11277.	8496.	5973.	6828.	8996.	28471.	58304.	46716.	7264.	4188.	7579.	11208.	
24	10889.	8152.	4679.	7264.	9258.	27644.	57345.	44796.	6973.	4150.	8561.	10889.	
25	11208.	8217.	4375.	7495.	9811.	27069.	55437.	42834.	6787.	4113.	9811.	11026.	
26	11140.	8260.	4076.	7621.	10595.	26223.	53984.	40532.	6235.	3928.	10550.	11094.	
27	10776.	8713.	3818.	8003.	10708.	25221.	52288.	38522.	5792.	3891.	10257.	11529.	
28	10325.	8778.	3854.	8152.	10595.	23720.	50727.	36678.	5377.	4489.	10482.	10190.	
29	10145.	9215.	3983.	8003.	10325.	22081.	49083.	34451.	5064.	4150.	10437.	8669.	
30	11345.	8996.	3708.	8453.	9545.	20907.	47820.	32507.	5025.	3763.		9368.	
31		9302.		8930.	9302.		46166.		5613.	3928.		10257.	
TOTAL	317013.	283135.	197554.	189569.	340581.	673009.	1284521.	1322300.	418748.	132197.	207843.	316941.	5683411. TONDAY
MEAN	10567.	9133.	6585.	6115.	10986.	22434.	41436.	44077.	13508.	4264.	7167.	10224.	
MAX	11345.	11967.	9989.	8930.	15367.	30672.	58304.	50323.	30672.	5973.	10550.	11529.	58304.
MIN	9545.	7579.	3708.	3599.	8996.	9368.	20260.	32507.	5025.	3635.	3928.	8669.	3599.

WATER YEAR 1983

SAKAE KRANG RIVER BASIN

MAE WONG AT BAN PANG MAKHA, KAMPHAENG PHET (CT.5A)

LOCATION	LAT. 15-54-10 N., LONG. 99-28-45 E., ON LEFT BANK BEHIND WAT PANG MAKHA, AMPHOE KHANU WORALAKSABURI, KAMPHAENG PHET.
DRAINAGE AREA	938 SQ.KM.
METHOD OF SAMPLING	DEPTH INTEGRATING
INSTRUMENT USED	US.DH-59 AND US.D-49
PERIOD OF AVAILABLE RECORDS	1983
ACTUAL MEASUREMENT	1983 TO DATE
REMARKS	CONTINUED SEDIMENT STATION USING RATING CURVE WATER YEAR 1983

SUSPENDED SEDIMENT, IN TONS PER DAY, WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.2	0.1	9.4	8.3	8.3	50.1	8849.2	28018.7	163.8	40.7	13.3	11.9	
2	0.2	0.1	40.7	3.8	24.5	710.5	3074.5	12614.2	157.3	38.4	13.3	10.7	
3	0.2	0.2	103.2	1.9	32.1	683.5	2431.5	6055.9	127.9	36.3	13.3	8.3	
4	0.1	2.6	55.1	1.6	63.0	737.9	6866.4	3606.9	127.9	34.2	11.9	7.2	
5	0.1	0.6	21.0	1.1	42.9	911.9	1914.5	2160.0	127.9	32.1	11.9	6.2	
6	0.1	1.1	5.2	0.9	65.7	389.9	1271.5	1548.7	122.8	32.1	10.7	6.2	
7	0.1	0.8	4.2	0.9	405.0	467.9	2210.6	1168.3	117.7	30.1	10.7	5.2	
8	0.1	0.6	3.4	0.8	1306.8	191.0	1134.8	942.4	112.8	30.1	10.7	5.2	
9	0.1	0.5	6.2	30.1	630.9	435.9	657.0	973.4	98.5	30.1	10.7	4.7	
10	0.1	0.4	42.9	22.7	278.2	2613.4	420.3	19609.5	98.5	28.2	9.4	4.2	
11	0.1	0.6	36.3	10.7	127.9	4780.7	5234.3	12411.7	93.9	28.2	9.4	4.2	
12	0.1	0.5	83.2	4.2	127.9	7245.4	86056.0	5142.2	83.2	28.2	9.4	3.8	
13	0.1	2.6	57.7	4.7	117.7	2060.2	74443.7	47222.9	80.2	28.2	8.3	3.8	
14	0.1	4.2	170.4	13.3	265.4	2011.1	42775.5	9909.3	74.3	28.2	8.3	3.8	
15	0.1	16.2	93.9	14.7	332.0	1866.9	82348.8	4692.2	71.4	26.3	8.3	3.8	
16	0.1	4.2	42.9	26.3	150.9	973.4	19071.1	5142.2	68.5	26.3	8.3	3.4	
17	0.1	2.2	28.2	14.7	93.9	531.2	12064.0	4604.3	65.7	24.5	17.7	3.4	
18	0.1	1.6	17.7	8.3	63.0	360.4	5734.5	3846.4	60.3	22.7	11.9	2.9	
19	0.1	1.3	11.9	4.2	42.9	1306.8	70278.5	2372.2	55.1	22.7	24.5	2.9	
20	0.1	0.9	5.2	3.8	74.3	1134.8	37340.2	1681.9	52.6	21.0	30.1	2.6	
21	0.1	0.6	5.2	22.7	112.8	531.2	9751.2	1271.5	50.1	19.3	28.2	2.6	
22	0.1	0.4	4.2	28.2	117.7	278.2	9751.2	973.4	45.3	17.7	14.7	2.6	
23	0.2	0.3	4.2	32.1	77.2	228.5	3927.6	710.5	42.9	17.7	16.2	2.9	
24	0.2	0.2	7.2	34.2	65.7	170.4	2372.2	555.4	40.7	16.2	9.4	4.2	
25	0.2	0.1	8.3	42.9	52.6	107.9	1592.5	451.8	40.7	16.2	8.3	7.2	
26	0.2	0.2	4.2	52.6	42.9	150.9	1101.6	346.1	38.4	16.2	22.7	3.8	
27	0.1	3.8	3.4	45.3	36.3	163.8	2261.8	278.2	38.4	14.7	14.7	3.4	
28	0.2	17.7	2.2	24.5	34.2	117.7	2675.3	228.5	38.4	14.7	24.5	3.8	
29	0.1	19.3	1.6	14.7	36.3	240.5	1914.5	191.0	38.4	14.7	14.7	3.4	
30	0.1	28.2	4.2	13.3	30.1	20154.3	1548.7	163.8	38.4	14.7		3.4	
31		14.7		8.3	47.6		6384.9		40.7	13.3		4.2	
TOTAL	3.8	126.8	883.4	495.8	4906.7	51606.3	507458.4	178893.5	2412.7	764.0	405.5	145.9	748102.8 TONDAY
MEAN	0.1	4.1	29.4	16.0	158.3	1720.2	16369.6	5963.1	77.8	24.6	14.0	4.7	
MAX	0.2	28.2	170.4	52.6	1306.8	20154.3	86056.0	47222.9	163.8	40.7	30.1	11.9	86056.0
MIN	0.1	0.1	1.6	0.8	8.3	50.1	420.3	163.8	38.4	13.3	8.3	2.6	0.1

WATER YEAR 1983

PASAK RIVER BASIN

PASAK RIVER AT BAN MUANG NUA, SARABURI (S.9)

LOCATION	LAT. 14-37-33 N., LONG. 101-01-00 E., ON LEFT BANK AT BAN MUANG NUA RAILWAY BRIDGE, AMPHOE KAENG KHOI, SARABURI.
DRAINAGE AREA	14,374 SQ.KM.
METHOD OF SAMPLING	DEPTH INTEGRATING
INSTRUMENT USED	US.D-49
PERIOD OF AVAILABLE RECORDS	1975 TO DATE
ACTUAL MEASUREMENT	1975 TO DATE
REMARKS	CONTINUED SEDIMENT STATION USING RATING CURVE WATER YEAR 1983

SUSPENDED SEDIMENT, IN TONS PER DAY, WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	18.4	14.8	33.2	56.9	56.9	1491.3	11022.0	4704.1	578.8	201.2	79.2	73.4	
2	18.4	14.8	29.9	79.2	49.2	1372.3	9807.5	3947.4	513.5	191.6	79.2	65.0	
3	18.4	16.6	33.2	94.1	46.7	1358.1	13310.5	3369.5	477.2	191.6	79.2	65.0	
4	17.5	20.8	31.6	70.6	46.7	1315.7	8644.7	2908.5	450.6	191.6	76.3	59.6	
5	17.5	22.2	29.9	59.6	39.5	1232.2	8043.6	2514.4	424.5	191.6	73.4	59.6	
6	17.5	22.2	26.8	56.9	51.8	1301.7	7420.0	2229.3	391.6	172.6	70.6	59.6	
7	17.5	22.2	26.8	56.9	49.2	1287.7	7203.7	2027.2	377.3	168.0	67.8	56.9	
8	17.5	26.8	28.3	67.8	158.9	2027.2	6953.9	1848.8	363.1	168.0	67.8	54.3	
9	16.6	44.3	26.8	82.1	163.4	1901.7	6883.1	1726.9	342.1	163.4	67.8	54.3	
10	16.6	33.2	25.2	116.5	177.3	1607.8	7096.3	1624.6	342.1	168.0	65.0	54.3	
11	16.6	26.8	25.2	201.2	231.2	1591.0	11200.1	1641.6	321.6	168.0	65.0	54.3	
12	16.6	25.2	29.9	216.1	391.6	1991.1	19483.8	1591.0	314.8	168.0	62.3	51.8	
13	16.6	20.8	51.8	149.9	433.1	2361.0	23125.8	2514.4	314.8	163.4	62.3	49.2	
14	16.6	18.4	56.9	109.9	522.7	2818.9	26201.2	2342.0	308.1	163.4	62.3	49.2	
15	16.6	18.4	65.0	85.1	578.8	3416.8	23488.4	1973.1	294.8	158.9	62.3	46.7	
16	16.6	17.5	67.8	73.4	699.3	3369.5	22226.9	1458.5	281.7	158.9	62.3	46.7	
17	16.6	17.5	85.1	59.6	941.4	2976.3	21929.7	1218.5	275.2	158.9	62.3	46.7	
18	16.6	20.8	100.4	46.7	1150.5	2908.5	20346.9	1044.3	268.8	154.3	62.3	46.7	
19	16.6	31.6	116.5	39.5	1973.1	2908.5	19598.2	966.8	251.9	154.3	62.3	44.3	
20	16.6	25.2	141.1	39.5	3067.4	2863.6	18011.8	941.4	246.6	136.7	59.6	44.3	
21	16.6	22.2	145.4	37.2	1884.0	2886.0	16278.5	966.8	241.5	132.4	59.6	41.9	
22	16.6	25.2	136.7	34.9	1761.5	2863.6	14893.0	1005.3	231.2	119.8	59.6	41.9	
23	16.6	20.8	128.1	33.2	1796.2	3021.8	13689.1	1018.2	231.2	116.5	59.6	44.3	
24	16.6	19.3	116.5	26.8	1574.2	3136.4	12287.0	1031.2	226.1	113.2	62.3	54.3	
25	16.6	26.8	113.2	28.3	1458.5	3275.6	10977.6	992.4	221.1	109.9	62.3	51.8	
26	16.6	100.4	100.4	39.5	1884.0	3545.4	9649.8	954.0	211.1	106.7	62.3	49.2	
27	16.6	82.1	91.1	39.5	1507.8	3865.9	8720.8	866.4	201.2	100.4	94.1	46.7	
28	16.6	44.3	76.3	54.3	1123.6	4167.3	7858.6	781.4	201.2	91.1	128.1	49.2	
29	15.7	31.6	70.6	172.6	916.2	5171.7	7239.6	699.3	201.2	88.1	94.1	51.8	
30	14.8	28.3	62.3	149.9	793.4	7674.9	6428.0	627.0	201.2	85.1		56.9	
31		26.8		88.1	916.2		5501.1		201.2	85.1		54.3	
TOTAL	505.2	887.9	2072.0	2465.8	26444.3	81709.5	405521.2	51534.3	9507.3	4540.7	2031.3	1624.2	588843.8 TONDAY
MEAN	16.8	28.6	69.1	79.5	853.0	2723.6	13081.3	1717.8	306.7	146.5	70.0	52.4	
MAX	18.4	100.4	145.4	216.1	3067.4	7674.9	26201.2	4704.1	578.8	201.2	128.1	73.4	26201.2
MIN	14.8	14.8	25.2	26.8	39.5	1232.2	5501.1	627.0	201.2	85.1	59.6	41.9	14.8

WATER YEAR 1983

KHONG RIVER BASIN

HUAI NAM KAM AT BAN DAN MUANG KHAM, SAKON NAKHON (KH.63)

LOCATION LAT. 17-06-15 N., LONG. 104-21-26 E., ON LEFT BANK AT THE BRIDGE ON ROAD, BAN DAN MUANG KHAM, KING AMPHOE KHOK SI SUPHAN, SAKON NAKHON.

DRAINAGE AREA 1,764 SQ.KM.

METHOD OF SAMPLING DEPTH INTEGRATING

INSTRUMENT USED US.D-49

PERIOD OF AVAILABLE RECORDS 1982-1985

ACTUAL MEASUREMENT 1982-1985

REMARKS DISCONTINUED SEDIMENT STATION

USING RATING CURVE WATER YEAR 1983

SUSPENDED SEDIMENT, IN TONS PER DAY, WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	7.61	6.72	6.90	12.81	69.95	160.73	129.00	9.28	7.44	7.26	6.90	6.53	
2	7.61	7.44	6.90	54.67	73.92	166.48	106.26	8.96	7.44	7.26	6.90	6.53	
3	7.44	9.28	6.72	60.48	82.78	169.24	90.27	8.96	7.44	7.26	6.90	6.72	
4	7.61	9.28	6.72	63.29	88.38	168.77	84.18	8.96	7.44	7.26	6.90	6.90	
5	8.30	7.08	6.72	61.69	107.59	168.31	80.42	8.63	7.44	7.26	6.90	6.90	
6	8.30	6.90	7.26	52.09	110.64	167.84	77.13	8.63	7.44	7.26	6.90	6.90	
7	8.63	8.63	7.44	49.01	111.07	167.84	74.84	8.30	7.44	7.26	6.90	6.90	
8	7.61	8.96	7.26	48.11	112.78	167.37	73.02	7.96	7.44	7.26	6.90	6.90	
9	7.44	9.28	7.26	48.56	117.87	166.93	71.28	7.96	7.44	7.26	6.90	6.90	
10	7.26	9.28	7.08	48.11	118.71	166.93	69.95	7.96	7.44	7.44	6.90	6.72	
11	7.44	8.96	6.90	48.56	119.14	165.59	61.69	7.96	7.44	7.26	6.90	6.72	
12	7.26	8.96	7.08	48.56	119.58	172.02	31.01	7.96	7.26	6.90	6.90	6.90	
13	7.26	8.96	7.08	48.56	120.45	177.08	21.92	7.96	7.26	6.90	6.90	6.72	
14	7.08	9.28	7.26	49.01	120.45	176.15	18.92	7.44	7.26	6.90	6.90	6.53	
15	7.26	9.28	7.08	49.01	128.57	173.86	17.87	7.44	7.26	6.90	6.90	6.53	
16	7.26	9.28	6.90	49.01	131.14	172.02	16.49	7.44	7.26	6.90	6.90	6.34	
17	7.26	8.96	7.26	49.90	129.43	168.77	15.56	7.44	7.26	6.90	6.72	6.34	
18	7.26	9.28	7.26	49.90	127.70	164.69	14.93	7.61	7.26	6.90	6.90	6.34	
19	7.26	9.59	7.26	50.78	126.43	165.14	13.95	7.61	7.26	6.90	7.08	6.34	
20	7.26	9.28	7.26	50.78	126.43	169.70	13.95	7.61	7.26	6.90	7.08	6.34	
21	6.90	7.08	7.26	52.09	125.99	170.17	13.62	7.61	7.26	6.72	7.08	6.15	
22	6.90	6.72	7.26	52.53	125.99	166.48	13.62	7.61	7.26	6.72	7.08	5.96	
23	6.72	6.90	7.61	52.96	126.43	162.03	13.08	7.61	7.26	6.90	7.08	5.96	
24	6.90	7.08	7.44	52.53	125.99	158.12	12.81	7.61	7.08	6.90	7.08	5.76	
25	6.72	7.08	7.61	51.66	132.02	155.06	11.97	7.61	7.26	6.72	6.90	5.76	
26	6.72	6.90	8.63	52.09	142.96	152.41	11.40	7.61	7.26	6.90	6.72	5.76	
27	6.72	7.08	8.96	52.53	150.18	150.63	10.81	7.61	7.26	6.90	6.72	5.76	
28	6.72	6.90	7.44	52.96	157.25	147.50	11.40	7.61	7.26	6.90	6.72	5.96	
29	6.72	6.90	7.44	52.96	161.59	142.05	10.51	7.61	7.26	6.90	6.53	5.56	
30	7.08	6.90	7.61	54.24	161.59	136.51	9.59	7.61	7.26	7.08		5.56	
31		6.90		66.56	158.99		9.28		7.26	6.90		5.56	
TOTAL	218.51	251.12	218.86	1586.00	3811.99	4916.42	1210.73	238.17	226.86	217.68	200.09	196.75	13293.18 TONDAY
MEAN	7.28	8.10	7.30	51.16	122.97	163.88	39.06	7.94	7.32	7.02	6.90	6.35	
MAX	8.63	9.59	8.96	66.56	161.59	177.08	129.00	9.28	7.44	7.44	7.08	6.90	177.08
MIN	6.72	6.72	6.72	12.81	69.95	136.51	9.28	7.44	7.08	6.72	6.53	5.56	5.56

WATER YEAR 1983

KHONG RIVER BASIN

LAM NAM BANG AT BAN DONG I NAM, NAKHON PHANOM (KH.66)

LOCATION	LAT. 17-04-22 N., LONG. 104-34-38 E., ON RIGHT BANK AT THE BRIDGE ON ROAD, BAN DONG I NAM, AMPHOE NA KAE, NAKHON PHANOM.
DRAINAGE AREA	441 SQ.KM.
METHOD OF SAMPLING	DEPTH INTEGRATING
INSTRUMENT USED	US.D-49
PERIOD OF AVAILABLE RECORDS	1982-1985
ACTUAL MEASUREMENT	1982-1985
REMARKS	DISCONTINUED SEDIMENT STATION USING RATING CURVE WATER YEAR 1983

SUSPENDED SEDIMENT, IN TONS PER DAY, WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	1.31	1.71	1.51	6.22	41.62	105.69	5.89	4.02	1.51	0.97	1.31	1.31	
2	1.31	2.13	1.31	5.34	61.97	258.91	5.61	3.77	1.51	0.97	1.31	1.31	
3	1.31	2.35	1.31	3.52	235.54	419.13	4.80	3.52	1.51	0.97	1.31	1.31	
4	1.31	2.13	1.51	2.58	415.81	412.49	7.61	3.04	1.51	1.12	1.31	1.31	
5	1.31	1.92	1.31	2.58	354.11	255.96	27.39	2.81	1.51	1.12	1.31	1.31	
6	1.12	1.71	1.31	2.35	130.40	187.89	34.15	2.58	1.51	1.12	1.31	1.31	
7	1.12	1.92	1.31	2.35	56.48	187.89	32.11	2.35	1.51	1.12	1.31	1.31	
8	1.12	1.92	1.51	1.92	47.56	212.86	31.10	2.13	1.51	1.31	1.31	1.31	
9	1.12	1.71	2.35	1.92	40.45	285.83	30.10	2.13	1.51	1.31	1.31	1.31	
10	1.12	1.51	3.28	1.92	37.27	229.78	31.10	1.92	1.51	1.31	1.31	1.31	
11	1.12	1.51	2.58	1.71	22.17	120.97	33.13	2.13	1.51	1.31	1.31	1.31	
12	1.12	1.31	2.13	1.71	16.01	120.97	30.10	2.13	1.51	1.31	1.31	1.31	
13	1.12	1.51	2.13	1.71	12.02	238.43	24.75	2.13	1.51	1.31	1.31	1.31	
14	1.12	1.51	2.13	2.35	12.02	279.79	17.96	1.92	1.31	1.31	1.31	1.31	
15	1.12	1.31	2.13	37.27	409.18	177.04	12.55	1.92	1.31	1.31	1.31	1.31	
16	1.12	1.31	1.92	79.36	224.06	86.82	10.45	1.92	1.31	1.31	1.31	1.31	
17	1.12	1.31	1.51	105.69	153.35	59.21	9.07	1.71	1.31	1.31	1.31	1.31	
18	1.12	1.31	1.31	125.43	282.81	40.45	6.56	1.71	1.31	1.31	1.31	1.31	
19	1.12	1.31	1.12	196.12	169.01	32.11	4.28	1.71	1.31	1.31	1.31	1.31	
20	1.12	1.31	1.12	288.86	105.69	74.35	5.34	1.71	1.31	1.31	1.31	1.31	
21	1.12	1.31	1.12	307.07	103.55	190.62	5.34	1.71	1.31	1.31	1.31	1.31	
22	1.12	1.31	1.12	163.70	95.10	267.81	5.89	1.71	1.31	1.31	1.31	1.31	
23	1.12	1.31	1.12	42.79	52.45	153.35	6.91	1.71	1.12	1.31	1.31	1.31	
24	1.12	1.31	1.51	95.10	31.10	56.48	6.56	1.71	1.12	1.31	1.31	1.31	
25	1.12	1.12	1.92	148.17	357.31	39.38	4.80	1.71	1.12	1.31	1.31	1.31	
26	1.12	1.12	3.52	76.01	680.84	29.19	4.54	1.71	1.12	1.31	1.31	1.31	
27	1.12	1.12	5.07	37.27	752.70	19.96	4.80	1.51	1.12	1.31	1.31	1.31	
28	1.31	1.31	31.10	30.10	838.08	13.64	5.89	1.51	1.12	1.31	1.31	1.31	
29	1.51	1.51	32.11	31.10	814.52	11.49	4.80	1.51	1.12	1.31	1.31	1.31	
30	1.71	1.71	15.37	32.11	528.54	7.61	4.54	1.51	1.12	1.31		1.31	
31		1.71		67.79	132.91		4.28		1.12	1.31		1.31	
TOTAL	35.72	47.55	128.75	1902.12	7214.63	4576.10	422.40	63.56	41.50	38.83	37.99	40.61	14549.76 TONDAY
MEAN	1.19	1.53	4.29	61.36	232.73	152.54	13.63	2.12	1.34	1.25	1.31	1.31	
MAX	1.71	2.35	32.11	307.07	838.08	419.13	34.15	4.02	1.51	1.31	1.31	1.31	838.08
MIN	1.12	1.12	1.12	1.71	12.02	7.61	4.28	1.51	1.12	0.97	1.31	1.31	0.97

WATER YEAR 1983

CHI RIVER BASIN

CHI RIVER AT BAN THA PHRA, KHON KAEN (E.16A)

LOCATION LAT. 16-21-14 N., LONG. 102-45-09 E., ON LEFT BANK ABOUT 400 METERS UPSTREAM FROM THE BRIDGE OF KHON KAEN-MAHA SARAKHAM HIGHWAY, TAMBON DON HAN, AMPHOE MUANG, KHON KAEN.

DRAINAGE AREA 13,171 SQ.KM.

METHOD OF SAMPLING DEPTH INTEGRATING

INSTRUMENT USED US.D-49

PERIOD OF AVAILABLE RECORDS 1965-1972,1980 TO DATE

ACTUAL MEASUREMENT 1967,1980 TO DATE

REMARKS CONTINUED SEDIMENT STATION

USING RATING CURVE WATER YEAR 1983

SUSPENDED SEDIMENT, IN TONS PER DAY, WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	3.5	2.2	9.6	397.3	96.6	1050.9	1319.4	1983.7	328.1	52.2	23.0	11.7	
2	3.2	2.0	9.3	471.6	95.3	1022.5	1280.0	1983.7	306.8	50.7	21.3	10.9	
3	3.0	2.2	8.9	458.4	110.5	1011.2	1306.2	1906.0	282.2	47.6	21.3	10.5	
4	3.0	2.6	8.4	416.4	131.7	994.3	1325.9	1794.0	258.0	46.5	20.7	10.1	
5	2.8	3.0	7.8	391.0	159.5	1011.2	1413.5	1690.1	244.4	44.2	20.3	9.7	
6	2.6	4.1	7.6	372.0	219.5	1039.5	1546.6	1607.8	227.6	42.0	19.4	9.0	
7	2.6	4.4	7.6	356.4	298.2	1115.5	1681.8	1506.0	211.0	40.8	19.0	9.0	
8	2.4	4.8	15.3	328.6	488.6	1391.5	1659.1	1414.5	196.4	40.8	18.2	8.6	
9	2.4	4.8	37.9	275.3	773.6	1780.7	1621.4	1327.9	177.1	42.0	17.7	8.4	
10	2.4	4.6	48.4	226.6	1260.3	1981.6	1576.4	1251.2	163.5	43.1	17.3	8.4	
11	2.8	4.1	48.4	176.6	1997.2	2067.7	1569.0	1187.0	152.7	46.5	17.3	9.0	
12	3.0	4.1	43.3	133.6	2431.9	2135.1	1554.0	1123.3	144.8	49.2	16.5	8.6	
13	3.2	3.9	36.4	112.1	2699.4	2117.9	1561.5	1066.1	134.3	50.7	16.5	8.1	
14	3.2	3.7	29.8	95.3	2780.7	2109.2	1561.5	1020.6	126.5	46.5	15.7	7.6	
15	3.0	4.8	45.8	83.8	2771.6	2109.2	1561.5	964.4	113.7	43.1	15.2	7.3	
16	3.0	9.3	116.9	80.2	2708.4	2075.6	2047.7	914.9	111.2	40.8	14.4	7.3	
17	3.0	11.5	178.5	73.1	2591.8	2028.5	2097.8	871.7	103.7	39.7	14.4	6.8	
18	2.8	12.9	212.4	69.7	2458.4	1966.0	2148.0	839.6	103.7	38.6	16.1	6.6	
19	2.6	13.2	226.6	68.5	2387.8	1903.9	2193.5	828.9	103.7	36.4	23.5	6.3	
20	2.4	12.5	214.7	75.5	2396.6	1826.7	2209.4	797.1	95.1	36.4	33.3	6.3	
21	2.2	11.5	184.3	85.0	2467.3	1750.2	2209.4	760.7	89.0	36.4	24.1	6.3	
22	1.8	11.5	146.4	91.4	2556.1	1689.4	2209.4	725.4	83.0	35.4	17.7	6.6	
23	1.6	11.2	110.5	94.0	2556.1	1629.0	2169.6	678.4	81.0	33.3	14.4	6.8	
24	1.6	10.2	80.2	92.7	2485.0	1598.9	2148.0	613.7	81.0	31.3	13.2	7.6	
25	1.8	10.2	58.9	104.2	2352.7	1569.0	2062.0	550.1	73.8	28.4	12.8	7.8	
26	1.8	10.5	45.8	120.2	2152.4	1524.2	2033.5	484.0	70.2	25.8	13.6	7.8	
27	1.6	10.5	72.0	128.3	1903.9	1465.0	2012.1	446.7	68.4	24.7	15.2	7.3	
28	1.8	10.2	121.8	129.9	1659.1	1406.1	2005.0	419.6	63.2	23.5	14:0	6.8	
29	1.8	10.9	188.4	126.7	1428.1	1362.3	2005.0	382.5	60.0	23.5	12.8	6.8	
30	1.8	10.5	270.3	115.3	1247.3	1347.7	2005.0	356.9	56.9	24.7		6.3	
31		10.2		102.6	1121.5		1997.9		55.3	24.1		5.8	
TOTAL	74.7	232.1	2592.2	5852.3	50787.1	48080.5	56091.1	31496.5	4366.3	1188.9	518.9	246.1	201526.7 TONDAY
MEAN	2.5	7.5	86.4	188.8	1638.3	1602.7	1809.4	1049.9	140.8	38.4	17.9	7.9	
MAX	3.5	13.2	270.3	471.6	2780.7	2135.1	2209.4	1983.7	328.1	52.2	33.3	11.7	2780.7
MIN	1.6	2.0	7.6	68.5	95.3	994.3	1280.0	356.9	55.3	23.5	12.8	5.8	1.6

WATER YEAR 1983

CHI RIVER BASIN

CHI RIVER AT BAN NONG O, CHAIYAPHUM (E.32A)

LOCATION	LAT. 15-54-40 N., LONG. 101-42-40 E., ON LEFT BANK ABOUT 500 METERS NORTH OF BAN NONG O, ABOUT 600 METERS UPSTREAM FROM E.32 GAGING STATION, AMPHOE BAN KHWAO, CHAIYAPHUM.
DRAINAGE AREA	2,906 SQ.KM.
METHOD OF SAMPLING	DEPTH INTEGRATING
INSTRUMENT USED	US.DH-59
PERIOD OF AVAILABLE RECORDS	1968 TO DATE
ACTUAL MEASUREMENT	1975 TO DATE
REMARKS	CONTINUED SEDIMENT STATION USING RATING CURVE WATER YEAR 1983

SUSPENDED SEDIMENT, IN TONS PER DAY, WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.58	0.58	81.60	440.02	42.20	203.91	1268.85	242.60	38.85	17.68	8.46	8.46	
2	0.58	0.88	65.37	208.62	52.77	581.34	941.28	461.87	36.66	21.66	8.46	7.96	
3	0.58	8.97	35.59	115.36	74.70	548.71	720.59	373.14	35.59	21.66	7.96	7.96	
4	0.58	18.98	21.66	76.06	84.41	319.64	615.92	278.19	34.52	21.66	7.96	7.96	
5	0.58	11.10	15.79	57.71	247.59	517.96	629.39	222.98	32.42	20.98	7.47	7.47	
6	0.58	11.66	10.02	46.80	461.87	618.61	570.84	187.67	30.36	18.33	7.47	7.96	
7	0.58	6.51	7.47	36.66	407.90	1559.84	440.02	160.87	30.36	16.41	7.47	7.47	
8	0.44	5.17	88.69	25.41	313.14	2013.25	386.92	143.76	29.35	14.57	6.98	6.98	
9	0.88	6.05	247.59	24.46	670.35	1534.56	461.87	135.44	28.35	14.57	6.51	6.05	
10	0.11	3.54	450.91	25.41	1688.22	783.56	422.08	165.25	26.38	13.38	6.51	5.17	
11	0.11	2.12	602.55	24.46	1804.62	544.84	623.99	163.06	25.41	12.23	6.05	5.17	
12	0.11	1.81	591.91	24.46	1377.01	960.57	1509.42	158.70	24.46	11.66	6.05	5.17	
13	0.21	4.33	342.72	38.85	1023.16	2735.49	2703.00	206.26	24.46	11.66	6.05	4.74	
14	0.21	1.81	203.91	39.95	789.37	2093.36	2219.96	192.27	22.58	11.66	6.51	4.74	
15	0.21	1.23	88.69	74.70	653.87	2138.30	1238.48	178.59	20.98	11.66	7.96	4.74	
16	0.11	1.51	51.56	56.46	684.19	2138.30	887.93	137.51	20.31	11.10	7.47	4.74	
17	0.11	1.05	33.46	41.07	684.19	2284.15	884.15	119.29	18.98	10.56	13.38	3.93	
18	0.11	1.51	22.58	65.37	563.00	1268.85	903.07	103.82	18.33	10.56	8.46	3.54	
19	0.11	1.81	17.04	185.39	386.92	956.70	991.71	93.04	18.98	10.56	11.10	3.54	
20	0.11	2.12	13.97	133.39	336.07	740.44	999.54	87.26	18.98	10.56	9.49	3.54	
21	0.11	1.05	11.10	109.54	215.76	760.47	749.00	80.20	18.98	10.56	10.02	3.93	
22	0.04	1.05	8.97	78.81	242.60	700.91	597.22	73.34	18.98	10.02	10.02	4.74	
23	0.04	1.05	18.33	70.65	281.31	599.88	450.91	69.32	18.33	10.02	10.02	5.17	
24	0.04	0.88	189.96	69.32	259.69	425.65	362.90	64.07	17.68	10.02	10.56	10.56	
25	0.04	0.88	872.87	64.07	189.96	293.91	290.74	60.23	17.68	9.49	10.02	10.56	
26	0.04	1.81	386.92	62.78	208.62	404.38	253.61	56.46	17.04	8.97	8.97	12.23	
27	0.21	3.16	129.31	62.78	303.48	659.35	322.90	51.56	17.04	8.97	7.47	11.10	
28	0.21	3.93	235.18	52.77	293.91	854.16	594.57	50.35	17.04	8.97	9.49	7.47	
29	0.21	2.80	720.59	50.35	208.62	798.11	499.04	49.16	16.41	8.97	9.49	6.51	
30	0.21	16.41	698.12	50.35	156.54	922.11	329.47	42.20	15.79	9.49		7.47	
31		66.68		42.20	152.24		245.09		15.79	9.49		7.96	
TOTAL	8.04	192.44	6264.43	2454.23	14858.28	30961.31	24114.46	4408.46	727.07	398.08	243.83	204.99	84835.63 TONDAY
MEAN	0.27	6.21	208.81	79.17	479.30	1032.04	777.89	146.95	23.45	12.84	8.41	6.61	
MAX	0.88	66.68	872.87	440.02	1804.62	2735.49	2703.00	461.87	38.85	21.66	13.38	12.23	2735.49
MIN	0.04	0.58	7.47	24.46	42.20	203.91	245.09	42.20	15.79	8.97	6.05	3.54	0.04

WATER YEAR 1983

MUN RIVER BASIN

MUN RIVER AT SERI PRACHATHIPPATAI BRIDGE, UBON RATCHATHANI (M.7)

LOCATION	LAT. 15-13-17 N., LONG. 104-51-39 E., ON LEFT BANK AT THE SERI PRACHATHIPPATAI, AMPHOE MUANG, UBON RATCHATHANI.
DRAINAGE AREA	106,673 SQ.KM.
METHOD OF SAMPLING	DEPTH INTEGRATING
INSTRUMENT USED	US.D-49
PERIOD OF AVAILABLE RECORDS	1964 TO DATE
ACTUAL MEASUREMENT	1964 TO DATE
REMARKS	CONTINUED SEDIMENT STATION USING RATING CURVE WATER YEAR 1983

SUSPENDED SEDIMENT, IN TONS PER DAY, WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	1924.7	2264.6	2666.3	7562.7	6356.5	16538.3	10844.6	21694.4	10639.0	2977.9	1630.8	1673.9	
2	1924.7	2292.2	2561.3	7540.1	6238.9	16488.4	10889.5	21664.1	10151.4	2871.9	1543.5	1673.9	
3	1953.8	2319.6	2481.7	7606.9	6238.9	16637.8	11090.3	21603.6	9655.5	2764.6	1409.2	1630.8	
4	1982.7	2319.6	2428.0	7695.1	6238.9	16687.5	11810.2	21512.8	9150.7	2692.3	1270.3	1587.4	
5	1982.7	2319.6	2401.1	7804.5	6262.2	16637.8	12377.7	21391.4	8670.7	2619.2	1222.8	1543.5	
6	2011.5	2264.6	2534.9	7869.7	6751.6	16488.4	12697.5	21269.8	8230.6	2619.2	1125.9	1543.5	
7	2011.5	2237.0	2692.3	7913.4	7384.8	16310.8	13023.6	21086.9	7846.8	2582.4	1076.3	1454.4	
8	2040.2	2292.2	2769.8	7913.4	7782.2	16087.9	13332.0	20934.1	7554.7	2545.5	1025.9	1454.4	
9	2068.7	2346.8	2846.5	7979.0	8344.5	15650.0	13658.6	20750.3	7225.4	2433.4	1025.9	1454.4	
10	2097.1	2401.1	2997.9	8000.4	9160.9	15253.3	14064.5	20565.8	6924.5	2319.6	974.7	1454.4	
11	2125.3	2428.0	3122.1	8000.4	9841.7	14812.9	14489.7	20288.1	6691.1	2242.6	974.7	1454.4	
12	2181.4	2401.1	3195.8	7935.5	10438.4	14321.3	15053.7	19977.9	6477.9	2203.7	974.7	1409.2	
13	2209.3	2374.0	3244.6	7869.7	11112.6	13935.5	15610.5	19634.8	6293.1	2203.7	922.5	1363.4	
14	2237.0	2346.8	3268.9	7739.1	11598.0	13569.8	16043.1	19226.6	6106.5	2203.7	922.5	1270.3	
15	2237.0	2346.8	3268.9	7584.4	11909.5	13212.5	16488.4	18783.6	5917.8	2203.7	922.5	1270.3	
16	2237.0	2346.8	3293.1	7429.4	12255.1	12860.9	17044.7	18336.9	5790.9	2164.6	922.5	1222.8	
17	2264.6	2481.7	3341.4	7340.1	12548.6	12499.9	17584.0	17821.8	5695.1	2164.6	922.5	1174.7	
18	2237.0	2508.3	3341.4	7891.9	12833.7	12107.4	18101.5	17334.2	5566.4	2125.3	974.7	1174.7	
19	2237.0	2508.3	3317.3	7695.1	13023.6	11735.4	18603.3	16841.7	5404.1	2085.7	974.7	1270.3	
20	2181.4	2534.9	3317.3	7473.9	13361.8	11488.3	19063.5	16255.2	5240.2	2045.9	1025.9	1222.8	
21	2153.4	2561.3	3220.2	7295.3	13688.1	11334.1	19420.6	15731.7	5041.0	2005.8	1543.5	1363.4	
22	2153.4	2587.7	3122.1	7138.2	14000.1	11023.5	19686.9	15108.0	4872.9	2005.8	1587.4	1409.2	
23	2125.3	2587.7	3047.8	6979.8	14353.3	10687.3	20050.4	14538.9	4685.7	1965.4	1587.4	1363.4	
24	2125.3	2666.3	2997.9	6796.9	14692.0	10438.4	20329.3	13929.7	4534.8	1924.7	1587.4	1270.3	
25	2181.4	2666.3	3122.1	6613.0	14973.6	10210.3	20606.8	13474.8	4351.5	1842.4	1630.8	1270.3	
26	2237.0	2795.4	4651.3	6497.0	15412.4	10118.6	20985.1	12815.6	4165.5	1842.4	1673.9	1317.1	
27	2264.6	2795.4	7206.2	6426.5	15768.3	10095.6	21274.9	12380.7	3976.5	1800.8	1673.9	1317.1	
28	2237.0	2769.8	7606.9	6426.5	16004.0	10187.4	21467.3	11934.3	3719.6	1800.8	1673.9	1317.1	
29	2237.0	2795.4	7606.9	6379.6	16221.8	10347.4	21467.3	11529.1	3588.8	1758.8	1673.9	1317.1	
30	2237.0	2795.4	7584.4	6379.6	16399.7	10709.8	21467.3	11118.9	3389.5	1716.5		1317.1	
31		2795.4		6379.6	16488.4		21659.1		3186.0	1673.9		1317.1	
TOTAL	64096.0	77150.1	109256.4	228156.7	357684.1	398476.6	520286.0	529535.6	190744.2	68406.8	36474.6	42882.7	2623149.8 TONDAY
MEAN	2136.5	2488.7	3641.9	7359.9	11538.2	13282.6	16783.4	17651.2	6153.0	2206.7	1257.7	1383.3	
MAX	2264.6	2795.4	7606.9	8000.4	16488.4	16687.5	21659.1	21694.4	10639.0	2977.9	1673.9	1673.9	21694.4
MIN	1924.7	2237.0	2401.1	6379.6	6238.9	10095.6	10844.6	11118.9	3186.0	1673.9	922.5	1174.7	922.5

WATER YEAR 1983

MUN RIVER BASIN

LAM DOM YAI AT DET UDOM, UBON RATCHATHANI (M.80)

LOCATION	LAT. 14-53-53 N., LONG. 105-05-08 E., ON LEFT BANK ABOUT 20 METERS DOWNSTREAM FROM THE BRIDGE ON ROAD, AMPHOE DET UDOM, UBON RATCHATHANI.
DRAINAGE AREA	3,363 SQ.KM.
METHOD OF SAMPLING	DEPTH INTEGRATING
INSTRUMENT USED	US.D-49
PERIOD OF AVAILABLE RECORDS	1966 TO DATE
ACTUAL MEASUREMENT	1967 TO DATE
REMARKS	CONTINUED SEDIMENT STATION USING RATING CURVE WATER YEAR 1983

SUSPENDED SEDIMENT, IN TONS PER DAY, WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	3.40	1.26	8.36	451.92	153.74	276.64	1338.06	965.21	56.21	18.06	8.72	3.40	
2	3.12	1.26	6.56	328.99	168.81	348.60	1437.16	1168.28	53.53	18.06	8.72	3.12	
3	3.12	1.26	5.86	260.39	191.79	484.24	1669.31	1151.50	50.87	16.92	8.36	3.12	
4	3.12	1.26	5.86	207.35	191.79	633.06	2056.15	965.21	49.54	16.47	7.99	3.12	
5	3.12	1.26	5.17	158.74	207.35	619.26	2287.62	646.90	48.23	16.47	7.99	3.12	
6	3.12	1.77	5.51	120.33	337.37	531.82	2482.65	615.82	45.61	16.47	7.99	3.12	
7	3.12	4.57	14.69	95.19	528.83	484.24	2633.03	571.32	44.31	16.47	7.99	3.12	
8	3.12	4.87	18.74	78.00	633.06	451.92	2732.25	528.83	41.21	15.58	7.27	3.40	
9	2.84	4.27	44.31	64.36	819.86	481.29	2758.45	496.07	36.12	15.13	7.27	3.40	
10	2.84	4.27	61.62	60.26	1042.86	513.90	2721.78	454.85	32.12	14.69	7.27	3.40	
11	2.84	4.57	72.94	95.19	1054.02	478.34	2653.88	394.03	31.13	14.69	7.27	3.40	
12	2.84	4.57	48.23	161.25	1046.58	379.75	2596.62	337.37	32.12	14.25	7.27	3.12	
13	2.84	4.87	34.11	133.98	1458.84	312.31	2643.45	287.55	34.11	13.81	6.91	3.12	
14	2.84	4.57	25.30	103.96	1687.03	320.64	2669.52	241.62	35.11	13.81	6.21	2.84	
15	1.51	4.87	25.30	96.93	1554.79	331.78	2679.96	223.07	34.11	13.38	5.51	2.56	
16	1.51	4.57	22.92	138.88	1231.55	284.81	2633.03	194.37	32.12	13.38	5.51	2.29	
17	1.51	4.27	20.12	396.90	1151.50	244.29	2503.32	173.88	30.14	12.94	5.51	2.29	
18	1.51	4.27	17.37	1024.29	1244.26	342.98	2308.04	158.74	29.17	12.94	5.51	2.29	
19	1.51	5.17	14.25	1180.90	1274.00	417.05	2056.15	143.81	29.17	12.51	5.17	2.56	
20	1.51	9.96	11.22	1024.29	1193.53	342.98	1767.13	129.10	29.17	12.51	5.17	2.84	
21	1.51	7.99	9.55	776.95	1125.13	315.08	1541.65	118.23	28.19	11.65	4.87	2.84	
22	1.51	4.57	8.72	588.38	998.38	320.64	1511.06	107.80	25.30	11.22	4.87	3.40	
23	1.51	3.69	8.36	522.85	888.46	328.99	1428.50	100.44	24.34	11.22	4.57	2.84	
24	1.51	3.69	7.63	513.90	755.63	362.71	1201.97	93.45	23.63	11.22	4.57	2.29	
25	1.51	2.84	9.96	493.11	639.98	425.73	1020.58	83.10	22.22	11.22	4.27	2.29	
26	1.51	3.12	249.64	496.07	581.55	561.12	877.58	78.00	21.51	10.80	3.98	2.29	
27	1.51	3.69	1493.62	484.24	678.21	602.08	769.84	74.62	20.82	10.80	3.98	2.29	
28	1.51	6.56	1704.78	394.03	646.90	574.73	695.70	69.88	20.82	10.80	3.98	2.29	
29	1.51	8.36	1248.50	282.08	528.83	730.86	650.37	68.49	20.12	9.96	3.69	2.03	
30	1.51	11.22	699.20	244.29	411.28	1072.67	626.16	61.62	19.43	9.96		1.77	
31		11.22		189.22	317.86		639.98		18.74	9.55		2.29	
TOTAL	66.44	144.69	5908.40	11167.22	24743.78	13574.51	57590.94	10703.16	1019.22	416.94	178.39	86.25	125599.95 TONDAY
MEAN	2.21	4.67	196.95	360.23	798.19	452.48	1857.77	356.77	32.88	13.45	6.15	2.78	
MAX	3.40	11.22	1704.78	1180.90	1687.03	1072.67	2758.45	1168.28	56.21	18.06	8.72	3.40	2758.45
MIN	1.51	1.26	5.17	60.26	153.74	244.29	626.16	61.62	18.74	9.55	3.69	1.77	1.26

WATER YEAR 1983

MUN RIVER BASIN

LAM TAKHONG AT PAK CHONG, NAKHON RATCHASIMA (M.89)

LOCATION LAT. 14-41-46 N., LONG. 101-25-07 E., ON LEFT BANK AT THE BRIDGE INFRONT OF VACCINE SERUM OFFICE, AMPHOE PAK CHONG, NAKHON RATCHASIMA.

DRAINAGE AREA 699 SQ.KM.

METHOD OF SAMPLING DEPTH INTEGRATING

INSTRUMENT USED US.D-49

PERIOD OF AVAILABLE RECORDS 1981 TO DATE

ACTUAL MEASUREMENT 1981 TO DATE

REMARKS CONTINUED SEDIMENT STATION

USING RATING CURVE WATER YEAR 1983

SUSPENDED SEDIMENT, IN TONS PER DAY, WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	1.92	2.51	3.53	5.56	16.08	327.81	2573.95	438.39	34.41	18.33	9.32	20.70	
2	1.92	2.83	3.17	5.56	13.98	238.55	907.72	369.54	34.41	18.33	9.32	15.01	
3	1.92	15.01	8.50	4.91	12.01	186.46	438.39	272.67	34.41	18.33	9.32	12.01	
4	1.92	6.95	13.98	4.31	11.08	144.73	399.46	216.99	34.41	17.19	9.32	9.32	
5	1.92	4.91	7.71	3.91	12.98	222.29	574.25	181.58	34.41	16.08	9.32	9.32	
6	1.92	4.91	4.91	3.53	26.21	124.04	1308.56	149.12	32.69	16.08	9.32	9.32	
7	1.65	4.31	3.91	3.53	36.18	136.13	462.56	124.04	31.01	16.08	8.50	9.32	
8	1.65	4.91	3.53	3.53	24.69	127.77	278.56	113.16	29.37	16.08	8.50	8.50	
9	1.65	5.56	71.45	3.53	44.09	153.57	272.67	124.04	29.37	15.01	8.50	8.50	
10	1.65	4.31	44.09	3.91	37.99	149.12	222.29	116.74	29.37	15.01	8.50	8.50	
11	1.65	3.53	23.22	3.91	53.20	92.80	2360.08	136.13	29.37	13.98	8.50	8.50	
12	1.65	2.51	55.60	3.91	37.99	102.74	6984.72	216.99	27.77	13.98	8.50	7.71	
13	1.65	2.83	63.10	3.17	65.83	77.28	7921.21	414.83	26.21	13.98	10.18	7.71	
14	1.65	2.51	24.69	3.17	65.83	99.38	7312.87	196.39	23.22	13.98	11.08	7.71	
15	1.65	2.51	16.08	3.53	144.73	158.09	5526.81	144.73	23.22	13.98	9.32	6.95	
16	1.65	2.21	13.98	3.91	102.74	266.83	6105.66	116.74	21.94	12.98	10.18	6.95	
17	1.65	1.92	13.98	3.53	58.05	206.57	3342.43	102.74	21.94	12.98	10.18	6.95	
18	1.65	1.92	12.98	3.53	238.55	99.38	2381.08	89.59	21.94	12.98	15.01	6.95	
19	1.65	1.92	8.50	3.53	158.09	68.61	7355.57	80.28	20.70	12.98	12.98	6.95	
20	1.65	1.65	6.95	18.33	158.09	99.38	6329.65	71.45	19.50	11.08	10.18	6.24	
21	1.65	1.65	5.56	63.10	96.06	60.55	1698.22	63.10	18.33	11.08	10.18	6.24	
22	1.65	1.65	5.56	27.77	347.81	53.20	952.94	58.05	18.33	11.08	10.18	6.24	
23	1.65	1.65	5.56	18.33	6750.08	58.05	747.35	50.84	18.33	11.08	12.01	6.24	
24	1.65	1.65	18.33	12.98	930.20	58.05	547.48	46.29	18.33	11.08	11.08	6.95	
25	1.65	1.65	12.98	11.08	255.34	65.83	369.54	41.94	17.19	10.18	13.98	11.08	
26	1.65	2.51	12.01	9.32	1026.47	167.30	296.59	37.99	17.19	10.18	13.98	10.18	
27	1.65	2.21	9.32	7.71	1752.52	620.20	446.38	37.99	17.19	10.18	71.45	9.32	
28	1.65	2.83	7.71	11.08	454.44	601.62	308.90	36.18	17.19	9.32	96.06	10.18	
29	1.65	2.83	6.24	9.32	238.55	1308.56	574.25	36.18	17.19	9.32	31.01	11.08	
30	1.65	2.83	6.24	9.32	158.09	4229.41	487.33	34.41	17.19	9.32		11.08	
31		2.83		20.70	407.11		347.81		18.33	9.32		10.18	
TOTAL	51.12	104.01	493.37	293.51	13735.06	10304.30	69835.28	4119.11	754.46	411.56	465.96	281.89	100849.64 TONDAY
MEAN	1.70	3.36	16.45	9.47	443.07	343.48	2252.75	137.30	24.34	13.28	16.07	9.09	
MAX	1.92	15.01	71.45	63.10	6750.08	4229.41	7921.21	438.39	34.41	18.33	96.06	20.70	7921.21
MIN	1.65	1.65	3.17	3.17	11.08	53.20	222.29	34.41	17.19	9.32	8.50	6.24	1.65

WATER YEAR 1983

MUN RIVER BASIN

HUAI LAM PLAI MAT AT BAN NON SOMBUN, NAKHON RATCHASIMA (M.121)

LOCATION LAT. 14-18-27 N., LONG. 102-26-22 E., ON LEFT BANK ABOUT 4 KILOMETERS UPSTREAM FROM BAN NON SOMBUN, AMPHOE SOENG SANG, NAKHON RATCHASIMA.

DRAINAGE AREA 487 SQ.KM.

METHOD OF SAMPLING DEPTH INTEGRATING

INSTRUMENT USED US.DH-59

PERIOD OF AVAILABLE RECORDS 1983 TO DATE

ACTUAL MEASUREMENT 1983 TO DATE

REMARKS CONTINUED SEDIMENT STATION
USING RATING CURVE WATER YEAR 1983

SUSPENDED SEDIMENT, IN TONS PER DAY, WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	********	0.01	0.51	0.37	1.40	16.52	102.62	56.67	3.36	0.73	0.18	0.48	
2	********	0.01	0.57	0.51	1.57	25.63	80.62	47.64	3.11	0.83	0.31	0.42	
3	********	0.01	0.66	0.69	1.53	15.38	52.65	34.15	2.87	0.60	0.51	0.39	
4	********	0.01	0.76	0.93	1.75	11.89	37.63	27.20	2.71	0.69	0.69	0.39	
5	********	0.01	0.90	1.36	3.44	13.65	60.78	22.21	2.56	0.60	0.90	0.34	
6	********	0.01	1.01	1.66	3.61	12.76	63.17	19.17	2.41	0.57	0.86	0.31	
7	********	0.01	1.12	1.75	4.88	18.27	77.37	17.39	2.33	0.54	0.79	0.31	
8	********	0.01	1.28	2.87	7.88	16.81	67.13	15.38	2.26	0.51	0.73	0.27	
9	********	0.00	1.44	3.28	8.95	15.67	35.63	22.96	2.16	0.48	0.69	0.27	
10	********	0.00	2.64	3.96	6.44	12.32	26.41	31.26	2.12	0.45	0.69	0.22	
11	********	0.00	5.66	4.98	4.98	9.42	110.17	24.47	1.88	0.42	0.69	0.18	
12	********	0.00	8.03	5.66	4.05	8.64	203.33	22.21	1.84	0.42	0.76	0.16	
13	********	0.00	9.42	5.56	5.27	8.34	226.57	16.52	1.79	0.39	0.69	0.11	
14	********	0.00	10.06	6.72	6.44	13.20	291.55	13.65	1.75	0.37	0.76	0.14	
15	********	0.00	10.22	7.44	5.66	5.36	291.55	12.98	1.57	0.34	0.73	0.12	
16	********	0.06	10.22	7.74	3.19	25.63	533.43	10.63	1.53	0.31	0.73	0.12	
17	********	0.93	9.90	7.59	3.53	26.02	398.05	9.58	1.44	0.29	0.76	0.12	
18	********	1.53	9.74	7.74	1.97	16.81	1262.74	8.95	1.40	0.29	0.76	0.09	
19	********	1.61	9.26	8.34	1.66	16.23	1247.01	8.03	1.32	0.27	0.79	0.08	
20	********	1.16	8.80	8.64	1.66	15.95	526.31	7.15	1.28	0.24	0.76	0.07	
21	********	0.90	9.11	9.90	4.05	17.68	266.66	6.58	1.24	0.24	0.76	0.06	
22	********	0.69	8.95	11.68	5.17	17.97	210.75	6.03	1.24	0.22	0.73	0.06	
23	********	0.48	8.80	12.54	5.46	20.08	148.89	5.66	1.12	0.22	0.73	0.08	
24	********	0.37	8.95	11.89	4.69	24.85	112.72	5.27	1.04	0.24	0.69	0.09	
25	********	0.37	4.23	10.22	4.05	14.83	84.74	4.88	0.97	0.22	0.63	0.09	
26	********	0.57	1.48	9.26	8.80	19.78	64.99	4.69	0.90	0.20	0.60	0.09	
27	********	0.63	0.39	9.11	20.75	29.84	54.36	4.32	0.90	0.16	0.51	0.14	
28	********	0.66	0.22	8.80	15.67	28.91	64.38	3.96	0.86	0.22	0.48	0.14	
29	********	0.66	0.20	8.49	11.68	40.19	47.09	3.70	0.83	0.16	0.51	0.12	
30	********	0.69	0.18	8.34	9.26	60.19	40.19	3.53	0.83	0.14		0.11	
31		0.63		7.74	11.05		36.12		0.83	0.14		0.09	
TOTAL	*********	12.02	144.71	195.76	180.49	578.82	6825.61	476.82	52.45	11.50	19.42	5.66	********* TONDAY
MEAN	*********	0.39	4.82	6.31	5.82	19.29	220.18	15.89	1.69	0.37	0.67	0.18	
MAX	*********	1.61	10.22	12.54	20.75	60.19	1262.74	56.67	3.36	0.83	0.90	0.48	1262.74
MIN	*********	0.00	0.18	0.37	1.40	5.36	26.41	3.53	0.83	0.14	0.18	0.06	*********

WATER YEAR 1983

PRACHIN BURI RIVER BASIN

PRACHIN BURI RIVER AT KABIN BURI, PRACHIN BURI (KGT.3)

LOCATION LAT. 13-59-05 N., LONG. 101-42-32 E., ON LEFT BANK INFRONT OF AMPHOE KABIN BURI OFFICE AND ABOUT 500 METERS DOWNSTREAM FROM THE CONFLUENCE OF LAM PRONG AND LAM HANUMAN, AMPHOE KABIN BURI, PRACHIN BURI.

DRAINAGE AREA 7,502 SQ.KM.

METHOD OF SAMPLING POINT METHOD

INSTRUMENT USED SOUTH PACIFIC

PERIOD OF AVAILABLE RECORDS 1964 TO DATE

ACTUAL MEASUREMENT 1966-1968,1970-1972,1983 TO DATE

REMARKS CONTINUED SEDIMENT STATION

USING RATING CURVE WATER YEAR 1966-1983

SUSPENDED SEDIMENT, IN TONS PER DAY, WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	8.0	0.8	39.3	276.7	1433.6	6319.8	7605.7	3167.4	244.0	51.6	1.3	0.0	
2	7.4	2.3	57.9	241.1	1248.3	6476.8	8528.4	2465.5	226.9	50.0	0.4	0.0	
3	6.8	4.5	65.9	197.9	1186.2	6153.1	9140.8	2100.3	209.1	53.2	0.0	0.0	
4	6.8	3.9	74.0	169.4	1820.9	6581.8	9671.1	1794.9	192.4	54.7	0.0	0.0	
5	6.8	3.9	74.0	138.9	2501.5	6232.8	10519.2	1534.8	177.6	48.5	0.0	0.0	
6	6.2	3.3	56.3	88.9	2955.9	5414.2	11243.3	1276.6	164.0	42.4	0.0	0.0	
7	5.6	3.9	46.9	77.3	3359.3	5017.7	11032.5	1098.9	152.3	37.8	0.0	0.0	
8	5.0	6.2	46.9	62.7	4878.5	5556.7	10345.8	961.1	132.7	29.7	0.0	0.0	
9	5.0	17.7	350.5	53.2	6372.1	5385.7	9907.6	842.6	119.6	26.8	0.0	0.0	
10	4.5	45.4	759.3	45.4	6319.8	5060.0	9502.6	775.9	108.4	23.3	0.0	0.0	
11	4.5	34.8	753.8	64.3	6354.6	4840.6	9502.6	709.8	103.2	20.5	0.0	0.0	
12	3.9	29.7	848.2	177.6	6354.6	4414.0	10389.1	803.6	103.2	17.7	0.0	0.0	
13	3.9	26.8	748.3	149.6	6200.9	3693.2	10864.2	1448.0	105.8	15.7	0.0	0.0	
14	3.9	23.3	545.1	375.6	5962.6	2987.5	11158.9	1732.2	103.2	13.1	0.0	0.0	
15	3.9	40.8	395.8	494.7	5851.8	2456.5	11412.4	1412.1	95.6	11.1	0.0	0.0	
16	3.9	28.3	298.1	503.0	6169.1	2546.7	11327.8	961.1	87.2	9.2	0.0	0.0	
17	3.3	20.5	221.3	764.8	7005.2	2903.4	11243.3	775.9	82.2	9.2	0.0	0.0	
18	3.3	13.7	166.7	1297.9	7196.8	3125.0	11032.5	786.9	80.5	8.6	0.0	0.0	
19	2.3	11.1	122.2	1916.3	7216.0	3943.4	11201.1	1070.0	78.9	6.8	0.0	0.0	
20	2.3	10.5	92.2	2447.5	7414.2	3531.1	11581.8	1064.2	77.3	6.2	0.0	0.0	
21	2.3	9.9	78.9	1933.8	7583.4	2861.4	10948.3	759.3	83.9	5.6	0.0	0.0	
22	2.3	10.5	65.9	1549.3	8030.9	2375.8	10432.5	591.9	83.9	5.0	0.0	0.0	
23	1.8	9.2	83.9	1426.5	8477.2	1960.0	10822.1	498.9	82.2	5.0	0.0	0.0	
24	1.3	10.5	195.1	1283.7	8528.4	1864.2	10345.8	440.8	80.5	5.0	0.0	0.0	
25	0.8	8.6	246.9	1362.0	8120.8	2073.9	9671.1	387.7	72.3	6.8	0.0	0.0	
26	1.3	9.2	246.9	1269.6	8307.0	2340.0	8953.8	356.5	67.5	5.6	0.0	0.0	
27	1.3	7.4	217.5	1326.3	8656.8	3295.2	8403.3	328.6	77.3	4.5	0.0	0.0	
28	1.3	7.4	185.9	1312.1	8579.8	4451.4	7806.7	298.1	64.3	5.0	0.0	0.0	
29	0.4	6.8	229.8	1340.6	8008.4	5899.2	7043.5	273.8	56.3	4.5	0.0	0.0	
30	0.4	28.3	270.9	1498.5	7216.0	7393.5	5836.0	262.2	54.7	3.3		0.0	
31		25.4		1542.0	6529.3		4314.3		53.2	2.3		0.0	
TOTAL	110.5	464.6	7584.4	25387.2	185839.9	127154.6	301788.1	30979.6	3420.2	588.7	1.7	0.0	683319.5 TONDAY
MEAN	3.7	15.0	252.8	818.9	5994.8	4238.5	9735.1	1032.7	110.3	19.0	0.1	0.0	
MAX	8.0	45.4	848.2	2447.5	8656.8	7393.5	11581.8	3167.4	244.0	54.7	1.3	0.0	11581.8
MIN	0.4	0.8	39.3	45.4	1186.2	1864.2	4314.3	262.2	53.2	2.3	0.0	0.0	0.0

WATER YEAR 1983

PRACHIN BURI RIVER BASIN

KHLONG PHRA SATHUNG AT BAN WANG KHIAN, PRACHIN BURI (KGT.10)

LOCATION	LAT. 13-48-29 N., LONG. 102-03-35 E., ON LEFT BANK NEAR SAHA CHAROEN SAWMILL, BAN WANG KHIAN, AMPHOE SA KAEO, PRACHIN BURI.
DRAINAGE AREA	2,523 SQ.KM.
METHOD OF SAMPLING	POINT METHOD
INSTRUMENT USED	SOUTH PACIFIC
PERIOD OF AVAILABLE RECORDS	1967 TO DATE
ACTUAL MEASUREMENT	1969 TO DATE
REMARKS	CONTINUED SEDIMENT STATION USING RATING CURVE WATER YEAR 1969-1983

SUSPENDED SEDIMENT, IN TONS PER DAY, WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	2.06	1.59	22.27	24.84	109.07	761.35	2637.85	213.06	54.98	28.11	16.02	10.64	
2	2.06	2.06	32.08	34.10	120.87	1043.37	2637.85	165.32	52.83	28.11	16.02	10.64	
3	2.06	2.06	34.77	29.42	126.42	1149.22	2517.48	241.37	48.58	27.45	16.02	10.07	
4	2.06	2.06	24.20	24.20	108.29	768.36	2127.75	179.40	47.18	26.14	16.02	9.49	
5	1.59	4.03	19.11	17.25	458.34	661.18	2014.10	147.33	45.78	24.84	14.80	8.35	
6	1.59	7.79	15.41	13.60	833.81	919.37	2345.80	124.04	44.38	24.84	14.80	7.79	
7	1.59	28.11	13.00	11.23	1066.32	820.67	2335.41	115.34	44.38	23.55	14.20	7.79	
8	1.59	36.80	30.75	10.07	1310.87	919.37	1797.08	115.34	45.08	22.91	14.20	7.79	
9	1.59	25.49	39.54	9.49	1654.94	1198.91	1607.54	112.99	41.60	22.27	13.00	7.79	
10	1.59	14.20	57.85	17.25	1849.63	1417.56	1258.47	95.90	38.17	21.64	12.40	7.79	
11	1.59	11.81	51.41	14.20	1917.00	908.11	1547.16	359.46	38.17	21.64	11.81	7.79	
12	1.59	11.23	38.17	16.63	1287.31	600.62	2417.53	954.30	36.12	21.00	11.81	7.24	
13	1.14	24.84	26.79	34.77	1088.28	408.06	2930.52	1069.45	35.45	20.37	11.81	6.69	
14	1.14	36.12	21.64	65.11	1635.08	344.95	3792.08	471.49	34.77	20.37	11.81	6.69	
15	0.72	15.41	17.87	50.00	1897.89	892.78	3523.26	250.90	33.42	20.37	13.00	6.14	
16	0.72	7.79	15.41	65.84	1214.83	1339.86	2975.70	197.82	32.75	20.37	13.00	6.14	
17	0.72	6.69	13.00	62.19	768.36	1588.84	2637.85	357.65	31.42	19.74	12.40	5.61	
18	0.72	6.14	11.81	68.05	746.36	1357.08	2325.03	715.50	30.09	19.74	12.40	5.61	
19	0.72	5.61	10.64	79.19	543.70	871.37	2127.75	523.62	30.09	19.11	14.20	5.07	
20	0.72	5.07	10.64	84.46	779.39	624.95	3146.51	243.96	29.42	18.49	13.00	6.14	
21	0.33	5.07	10.07	120.87	1391.60	469.61	7632.73	176.90	29.42	18.49	11.81	5.61	
22	0.33	4.55	10.64	206.27	1763.63	343.14	4499.65	142.47	29.42	19.74	11.81	5.07	
23	0.33	4.03	23.55	134.42	1512.17	438.70	3632.93	111.42	28.76	21.00	11.81	6.14	
24	0.72	3.52	47.88	85.98	946.07	533.17	3117.76	95.13	28.11	21.00	11.23	9.49	
25	1.59	3.02	40.91	65.84	469.61	484.69	2490.70	85.22	26.79	21.64	11.23	10.07	
26	2.06	2.53	28.76	97.44	344.95	616.17	1274.48	76.94	31.42	23.55	11.23	11.81	
27	1.14	9.49	20.37	109.85	515.99	1489.26	547.53	69.52	30.75	20.37	11.81	10.07	
28	1.59	26.14	21.64	181.90	717.49	2372.38	366.75	65.11	30.75	18.49	11.23	10.07	
29	1.59	10.64	26.14	175.24	807.55	2651.92	280.65	60.02	30.09	17.87	10.64	14.20	
30	1.59	9.49	24.20	189.42	888.69	2743.60	228.45	57.85	28.76	16.63		11.81	
31		11.81		150.58	663.15		198.67		28.11	16.02		11.23	
TOTAL	38.83	345.19	760.52	2249.70	29537.66	30738.62	72973.03	7594.82	1117.04	665.86	375.52	256.83	146653.61 TONDAY
MEAN	1.29	11.14	25.35	72.57	952.83	1024.62	2353.97	253.16	36.03	21.48	12.95	8.28	
MAX	2.06	36.80	57.85	206.27	1917.00	2743.60	7632.73	1069.45	54.98	28.11	16.02	14.20	7632.73
MIN	0.33	1.59	10.07	9.49	108.29	343.14	198.67	57.85	26.79	16.02	10.64	5.07	0.33

WATER YEAR 1983

PRACHIN BURI RIVER BASIN

KHLONG PHRA PRONG AT BAN KAENG, PRACHIN BURI (KGT.12)

LOCATION	LAT. 13-56-02 N., LONG. 101-58-41 E., ON LEFT BANK NEAR THE RAILWAY STATION AT BAN KAENG AND ABOUT 200 METERS UPSTREAM FROM THOT SAPHON SAWMILL, AMPHOE SA KAEO, PRACHIN BURI.
DRAINAGE AREA	1,540 SQ.KM.
METHOD OF SAMPLING	POINT METHOD
INSTRUMENT USED	SOUTH PACIFIC
PERIOD OF AVAILABLE RECORDS	1967 TO DATE
ACTUAL MEASUREMENT	1969 TO DATE
REMARKS	CONTINUED SEDIMENT STATION USING RATING CURVE WATER YEAR 1969-1983

SUSPENDED SEDIMENT, IN TONS PER DAY, WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	10.26	10.26	6.31	89.31	176.38	429.02	885.34	281.88	97.67	54.44	26.36	********	
2	11.14	9.34	8.39	97.67	160.62	407.16	961.13	258.25	92.48	55.49	26.36	********	
3	11.99	9.34	8.39	76.31	145.90	413.92	1008.41	240.87	91.43	55.49	26.36	********	
4	10.26	7.38	9.34	57.65	135.13	423.20	1370.71	230.55	88.31	55.49	25.88	********	
5	11.14	6.31	11.14	43.11	138.74	420.68	1469.59	219.26	85.29	51.15	25.88	********	
6	10.26	6.31	12.65	34.80	163.98	434.02	1427.57	206.23	83.25	48.87	25.27	********	
7	9.34	3.89	16.66	27.90	249.17	431.52	1268.45	194.36	83.25	45.51	25.27	********	
8	10.26	6.31	86.30	24.28	327.02	396.90	1094.67	184.42	82.22	41.94	25.27	********	
9	5.16	6.31	137.86	23.16	390.84	352.80	1025.70	179.60	81.19	39.45	24.78	********	
10	8.39	21.48	113.54	22.65	435.68	315.73	928.79	178.02	81.19	38.24	24.28	********	
11	8.39	24.28	115.46	48.87	460.18	302.83	888.67	173.93	83.25	35.54	23.16	********	
12	8.39	20.29	139.68	69.73	481.07	254.64	867.98	188.83	80.15	34.80	23.16	********	
13	6.31	16.08	158.07	105.73	457.75	221.09	882.01	233.38	78.20	34.05	23.16	********	
14	2.39	13.46	154.60	133.58	428.19	197.10	925.40	221.09	73.48	33.29	23.16	********	
15	3.89	7.38	125.71	141.44	486.24	186.03	961.13	179.60	72.55	33.29	22.65	********	
16	3.89	0.00	94.57	153.76	543.66	234.32	981.58	177.17	69.73	33.29	23.16	********	
17	3.89	0.00	76.31	169.79	541.00	286.42	966.26	178.81	67.74	32.53	23.66	********	
18	3.89	0.00	59.69	199.83	492.24	300.98	966.26	177.17	64.75	32.53	24.28	********	
19	5.16	0.00	51.15	259.16	444.72	294.53	986.67	183.64	63.77	31.76	22.65	********	
20	0.00	0.00	40.76	286.42	408.01	290.94	971.38	163.98	60.70	30.98	22.65	********	
21	2.39	6.31	29.40	300.05	446.36	297.25	1019.95	162.27	60.70	30.20	22.65	********	
22	3.89	15.48	27.43	296.32	526.73	277.30	1110.65	157.18	62.78	30.20	22.00	********	
23	0.00	13.46	51.15	275.46	582.35	234.32	1086.64	146.76	63.77	29.40	22.65	********	
24	0.00	11.99	70.67	235.26	599.05	208.11	1019.95	138.74	63.77	29.40	20.96	********	
25	0.00	10.26	63.77	209.98	563.95	197.10	935.55	133.58	62.78	29.40	22.00	********	
26	0.00	6.31	70.67	222.01	498.28	198.92	862.60	125.71	61.71	28.94	22.00	********	
27	0.00	5.16	71.61	232.44	443.07	250.08	781.02	113.54	60.70	28.94	22.00	********	
28	6.31	3.89	70.67	225.80	424.88	383.90	670.63	108.69	56.53	28.36	22.00	********	
29	15.48	3.89	82.22	206.23	441.46	559.27	537.45	102.74	55.49	28.36	23.66	********	
30	14.72	2.39	115.46	178.02	459.37	732.07	411.41	101.74	55.49	27.90		********	
31		3.89		182.02	460.18		322.36		55.49	26.83		********	
TOTAL	187.19	251.45	2079.63	4628.74	12512.20	9932.15	29595.91	5341.99	2239.81	1136.06	687.32	**********	********** TONDAY
MEAN	6.24	8.11	69.32	149.31	403.62	331.07	954.71	178.07	72.25	36.65	23.70	**********	
MAX	15.48	24.28	158.07	300.05	599.05	732.07	1469.59	281.88	97.67	55.49	26.36	**********	1469.59
MIN	0.00	0.00	6.31	22.65	135.13	186.03	322.36	101.74	55.49	26.83	20.96	**********	**********

WATER YEAR 1983

PRACHIN BURI RIVER BASIN

HUAI YANG AT BAN THUNG FAEK, PRACHIN BURI (KGT.14)

LOCATION	LAT. 14-09-30 N., LONG. 101-52-52 E., ON LEFT BANK ABOUT 2 KILOMETERS FROM KABIN BURI-NAKHON RATCHASIMA HIGHWAY, BAN THUNG FAEK, AMPHOE KABIN BURI, PRACHIN BURI.
DRAINAGE AREA	366 SQ.KM.
METHOD OF SAMPLING	POINT METHOD
INSTRUMENT USED	SOUTH PACIFIC
PERIOD OF AVAILABLE RECORDS	1967-1981
ACTUAL MEASUREMENT	1969-1981
REMARKS	DISCONTINUED SEDIMENT STATION USING RATING CURVE WATER YEAR 1969-1983

SUSPENDED SEDIMENT, IN TONS PER DAY, WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.11	0.03	20.96	1.09	13.15	1746.09	467.37	32.27	5.08	2.93	1.09	1.20	
2	0.11	0.03	13.15	0.98	15.48	576.08	776.20	28.51	5.08	2.93	1.09	1.20	
3	0.11	0.04	5.08	0.68	150.97	266.33	234.61	26.09	5.08	2.93	1.09	0.98	
4	0.11	0.10	2.93	0.55	538.34	134.12	723.22	22.91	4.67	2.71	0.98	0.68	
5	0.11	0.11	2.07	0.50	299.75	80.16	1070.55	20.96	4.67	2.71	0.98	0.55	
6	0.11	0.11	1.87	0.46	92.62	58.59	339.52	19.07	4.67	2.49	0.98	0.55	
7	0.10	0.15	2.28	0.42	192.80	52.75	209.19	18.15	4.67	2.49	0.98	0.50	
8	0.10	0.19	1.31	0.38	622.95	118.35	184.77	18.15	4.28	2.28	1.09	0.46	
9	0.10	0.24	38.96	0.38	290.06	58.59	379.76	18.15	4.28	2.07	1.09	0.46	
10	0.08	0.21	85.07	0.50	92.62	44.92	304.63	18.15	4.28	2.07	1.20	0.42	
11	0.08	0.19	95.18	0.59	161.40	41.90	2814.94	16.36	3.90	1.87	1.31	0.42	
12	0.08	0.18	124.48	0.88	299.75	34.86	731.96	18.15	3.65	1.87	1.55	0.38	
13	0.07	0.15	40.42	22.91	165.22	38.96	2255.82	20.96	3.65	1.68	1.43	0.38	
14	0.07	0.15	20.01	13.91	70.86	31.00	2988.86	18.15	3.65	1.68	1.09	0.35	
15	0.00	0.13	14.69	9.55	51.15	27.29	671.98	16.36	3.65	1.55	1.09	0.35	
16	0.06	0.13	8.88	6.82	130.84	22.91	933.50	13.91	3.65	1.55	1.68	0.31	
17	0.06	0.12	5.93	58.59	391.53	20.96	304.63	13.15	3.40	1.55	1.55	0.31	
18	0.06	0.11	4.28	60.58	217.55	373.92	391.53	12.40	3.40	1.55	1.68	0.27	
19	0.05	0.10	3.40	460.48	169.07	147.55	804.66	10.94	3.17	1.43	2.07	0.27	
20	0.05	0.08	2.71	85.07	275.74	112.34	252.42	9.55	3.17	1.43	1.43	0.31	
21	0.05	0.08	5.50	38.96	428.58	52.75	345.18	8.88	3.17	1.43	1.20	0.31	
22	0.04	0.07	3.17	21.93	481.25	38.96	299.75	8.23	2.93	1.43	0.98	0.35	
23	0.04	0.07	2.71	15.48	339.52	40.42	127.57	8.23	2.71	1.31	0.88	0.38	
24	0.04	0.06	2.93	124.48	154.42	34.86	90.08	7.75	2.49	1.43	0.78	0.42	
25	0.03	0.06	1.87	58.59	397.46	80.16	66.68	7.28	3.40	1.43	0.88	1.20	
26	0.03	0.06	1.55	40.42	4029.53	192.80	56.62	6.82	2.28	1.31	0.88	1.55	
27	0.03	0.06	1.68	32.27	912.98	124.48	48.00	6.37	2.28	1.31	1.55	0.98	
28	0.03	0.07	1.68	29.75	714.51	221.78	41.90	5.93	2.07	1.31	2.49	0.78	
29	0.03	0.10	1.68	22.91	280.49	266.33	37.52	5.50	2.28	1.31	1.87	0.68	
30	0.03	0.78	1.31	31.00	134.12	334.46	36.18	5.08	2.71	1.20		0.68	
31		22.91		14.69	230.30		31.00		2.93	1.20		2.07	
TOTAL	1.97	26.87	517.74	1155.80	12345.01	5374.67	18020.60	442.41	111.30	56.44	36.96	19.75	38109.52 TONDAY
MEAN	0.07	0.87	17.26	37.28	398.23	179.16	581.31	14.75	3.59	1.82	1.27	0.64	
MAX	0.11	22.91	124.48	460.48	4029.53	1746.09	2988.86	32.27	5.08	2.93	2.49	2.07	4029.53
MIN	0.00	0.03	1.31	0.38	13.15	20.96	31.00	5.08	2.07	1.20	0.78	0.27	0.00

WATER YEAR 1983

EAST COAST-GULF BASIN

CHANTHABURI RIVER AT BAN PUK, CHANTHABURI (Z.13)

LOCATION LAT. 12-45-40 N., LONG. 102-18-35 E., ON LEFT BANK INFRONT OF WAT BAN PUK, AMPHOE MAKHAM, CHANTHABURI.

DRAINAGE AREA 671 SQ.KM.

METHOD OF SAMPLING POINT METHOD

INSTRUMENT USED SOUTH PACIFIC

PERIOD OF AVAILABLE RECORDS 1978 TO DATE

ACTUAL MEASUREMENT 1977 TO DATE

REMARKS DISCONTINUED SEDIMENT STATION

USING RATING CURVE WATER YEAR 1978-1983

SUSPENDED SEDIMENT, IN TONS PER DAY, WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.00	0.00	160.82	138.62	366.48	600.75	288.47	85.15	11.38	2.86	0.91	0.16	
2	0.00	0.00	70.99	88.12	267.05	429.77	341.22	73.73	10.66	2.55	0.83	0.11	
3	0.00	0.00	37.41	67.10	195.78	291.20	712.45	64.71	10.31	2.41	0.74	0.08	
4	0.00	0.00	27.02	52.41	322.82	243.85	1125.86	54.51	9.63	2.27	0.67	0.04	
5	0.00	0.00	27.02	51.37	299.62	226.48	1385.15	48.32	8.97	2.13	0.60	0.03	
6	0.00	0.00	33.78	115.23	256.62	173.56	1378.49	45.48	8.33	1.86	0.60	0.01	
7	0.00	0.00	38.16	129.13	513.08	195.78	777.13	42.16	7.71	1.86	0.54	0.00	
8	0.00	0.00	79.34	269.68	2389.62	180.10	524.66	37.41	7.71	1.61	0.48	0.00	
9	0.00	0.00	173.56	148.52	3349.20	138.62	690.29	33.78	6.87	1.61	0.43	0.00	
10	0.00	0.00	158.74	160.82	2389.62	125.59	1293.24	33.78	6.62	1.50	0.37	0.00	
11	0.00	0.00	216.81	350.60	1255.63	148.52	1528.41	45.48	6.62	1.39	0.37	0.00	
12	0.00	0.00	130.92	293.95	1556.42	116.93	1325.74	102.06	6.14	1.29	0.37	0.00	
13	0.00	0.00	75.12	180.10	2473.85	103.66	1955.05	67.10	5.91	1.29	0.37	0.00	
14	0.00	0.37	46.33	142.54	2175.36	134.74	2025.33	42.98	5.68	1.29	0.37	0.00	
15	0.00	0.24	36.67	105.28	2109.12	169.26	1299.71	37.41	5.24	1.29	0.74	0.00	
16	0.00	0.11	30.31	144.52	2137.39	130.92	730.40	38.16	5.02	1.19	0.83	0.00	
17	0.00	0.06	23.35	748.80	1751.07	103.66	479.33	44.64	4.81	1.09	0.91	0.00	
18	0.00	0.54	22.21	1325.74	951.96	89.62	895.27	35.21	4.81	1.09	0.74	0.00	
19	0.00	0.24	22.77	1718.07	1026.40	77.92	1776.01	29.64	4.61	1.09	0.28	0.00	
20	0.00	0.16	23.35	2791.92	1358.60	65.90	1998.84	25.75	4.42	1.00	0.67	0.00	
21	0.00	0.16	18.95	2099.73	1261.71	65.90	1103.40	23.35	4.42	1.00	0.48	0.00	
22	0.00	0.16	16.91	634.19	1142.85	75.12	544.23	21.09	4.05	1.19	0.54	0.00	
23	0.00	0.16	39.74	379.42	725.90	73.73	395.89	19.47	4.05	1.39	0.33	2.13	
24	0.00	0.13	57.77	274.99	426.32	60.04	353.75	18.43	3.69	3.69	0.04	1.00	
25	0.00	0.24	44.64	259.21	405.92	76.51	264.42	16.91	3.69	3.18	0.08	13.65	
26	0.00	0.37	40.54	331.96	725.90	97.31	200.37	15.93	3.51	2.55	0.28	7.11	
27	0.00	1.74	30.99	350.60	1075.61	150.54	162.91	14.97	3.35	1.74	0.28	3.87	
28	0.00	28.97	29.64	308.23	983.55	256.62	148.52	13.65	3.02	1.50	0.33	1.86	
29	0.00	88.12	134.74	219.21	925.99	475.71	130.92	12.87	2.70	1.29	0.24	1.61	
30	0.00	150.54	288.47	251.48	734.92	464.92	110.20	12.11	2.86	1.09		1.50	
31		264.42		221.62	588.42		95.75		3.02	1.00		1.19	
TOTAL	0.00	536.73	2137.07	14353.16	36142.79	5543.23	26041.41	1156.24	179.81	52.29	14.42	34.35	86191.52 TONDAY
MEAN	0.00	17.31	71.24	463.01	1165.90	184.77	840.05	38.54	5.80	1.69	0.50	1.11	
MAX	0.00	264.42	288.47	2791.92	3349.20	600.75	2025.33	102.06	11.38	3.69	0.91	13.65	3349.20
MIN	0.00	0.00	16.91	51.37	195.78	60.04	95.75	12.11	2.70	1.00	0.04	0.00	0.00

WATER YEAR 1983

MAE KLONG RIVER BASIN

KHWAE NOI RIVER AT BAN LUM SUM, KANCHANABURI (K.10)

LOCATION	LAT. 14-05-40 N., LONG. 99-10-28 E., ON LEFT BANK ABOUT 100 METERS UPSTREAM FROM BAN LUM SUM RAILWAY STATION, AMPHOE SAI YOK, KANCHANABURI.
DRAINAGE AREA	7,008 SQ.KM.
METHOD OF SAMPLING	POINT METHOD
INSTRUMENT USED	BRINCKLEY
PERIOD OF AVAILABLE RECORDS	1965 TO DATE
ACTUAL MEASUREMENT	1965-1967,1971-1972,1974 TO DATE
REMARKS	CONTINUED SEDIMENT STATION USING RATING CURVE WATER YEAR 1983

SUSPENDED SEDIMENT, IN TONS PER DAY, WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	58.1	38.5	63.0	390.8	487.6	4847.6	8811.6	4307.0	513.3	264.3	131.7	172.5	
2	55.8	38.5	65.5	330.0	539.6	5024.4	9726.6	3743.9	506.8	288.8	128.2	145.9	
3	55.8	38.5	68.0	303.9	506.8	5603.4	9908.5	3314.7	487.6	288.8	124.8	135.2	
4	55.8	40.5	76.0	288.8	431.9	5084.0	8393.2	2944.4	474.9	250.1	121.4	121.4	
5	55.8	53.4	78.7	264.3	390.8	4034.3	10046.0	2685.5	456.3	231.7	121.4	108.3	
6	53.4	46.7	76.0	245.4	368.1	3666.4	15666.2	2883.7	450.1	222.8	118.1	102.1	
7	53.4	48.9	73.3	259.5	373.7	3046.9	17072.0	2705.1	431.9	214.0	118.1	96.0	
8	51.2	51.2	93.0	236.2	553.0	2512.8	13492.0	2236.6	420.0	209.6	114.8	93.0	
9	51.2	55.8	128.2	201.1	858.7	2147.8	10463.5	2060.7	408.2	201.1	111.5	87.1	
10	48.9	55.8	205.4	205.4	1034.4	2165.4	9596.2	1891.4	396.5	196.9	108.3	81.5	
11	48.9	60.5	192.7	205.4	1034.4	2236.6	9772.0	1697.2	385.1	192.7	105.2	78.7	
12	46.7	48.9	176.5	188.6	753.1	2308.8	8430.8	1573.1	373.7	188.6	105.2	76.0	
13	46.7	44.6	168.6	214.0	753.1	2550.7	7837.7	1588.3	368.1	184.5	105.2	73.3	
14	44.6	46.7	168.6	240.8	970.7	2437.7	8318.1	1603.7	357.0	180.5	105.2	70.6	
15	44.6	46.7	184.5	254.8	1793.1	2272.5	8696.5	1482.8	346.1	180.5	102.1	68.0	
16	42.5	46.7	160.9	231.7	2026.3	2130.2	8582.2	1309.8	340.7	176.5	108.3	68.0	
17	42.5	44.6	121.4	214.0	2112.8	2400.5	8734.8	1122.2	330.0	176.5	131.7	65.5	
18	42.5	42.5	99.0	250.1	2236.6	2236.6	9200.0	1045.2	319.5	172.5	135.2	63.0	
19	42.5	42.5	87.1	298.8	2666.1	1924.8	16291.9	1012.9	314.2	168.6	135.2	63.0	
20	42.5	40.5	73.3	346.1	3615.2	1842.0	64354.5	939.5	309.1	164.7	142.3	60.5	
21	40.5	40.5	68.0	672.9	3743.9	1958.3	85911.5	868.6	298.8	160.9	142.3	58.1	
22	40.5	40.5	70.6	858.7	4418.4	2456.3	51571.5	809.9	293.8	157.1	142.3	70.6	
23	40.5	40.5	73.3	622.2	4142.4	2531.7	27001.4	753.1	283.8	153.3	164.7	68.0	
24	40.5	38.5	96.0	456.3	3265.8	2512.8	17300.7	717.8	278.9	149.6	138.7	84.3	
25	40.5	34.6	90.0	402.3	2493.9	2569.8	13375.3	672.9	269.1	145.9	118.1	68.0	
26	38.5	32.7	102.1	368.1	2060.7	2608.1	10463.5	636.5	259.5	142.3	114.8	68.0	
27	38.5	34.6	118.1	444.0	2588.9	3151.0	8620.2	615.1	254.8	138.7	142.3	87.1	
28	38.5	36.5	131.7	573.4	4559.4	4587.9	7512.9	580.2	250.1	142.3	168.6	87.1	
29	38.5	42.5	188.6	519.8	10000.0	4994.7	7020.1	553.0	245.4	164.7	180.5	87.1	
30	38.5	44.6	314.2	456.3	9436.8	6442.5	6178.6	533.0	240.8	153.3		78.7	
31		51.2		456.3	6509.3		5054.1		245.4	142.3		68.0	
TOTAL	1378.4	1368.7	3612.3	11000.0	76725.5	94286.5	503404.1	48887.8	10909.5	5804.1	3686.2	2654.6	763717.8 TONDAY
MEAN	45.9	44.2	120.4	354.8	2475.0	3142.9	16238.8	1629.6	351.9	187.2	127.1	85.6	
MAX	58.1	60.5	314.2	858.7	10000.0	6442.5	85911.5	4307.0	513.3	288.8	180.5	172.5	85911.5
MIN	38.5	32.7	63.0	188.6	368.1	1842.0	5054.1	533.0	240.8	138.7	102.1	58.1	32.7

WATER YEAR 1983

PHETCHABURI RIVER BASIN

HUAI MAE PRACHAN AT BAN SA YAI NON, PHETCHABURI (B.6)

LOCATION LAT. 12-55-56 N., LONG. 99-47-05 E., ON LEFT BANK ABOUT 250 METERS UPSTREAM FROM THE BRIDGE OF KHUAN PHET-KAENG KRACHAN RESERVOIR ROAD, AMPHOE THA YANG, PHETCHABURI.

DRAINAGE AREA 1,015 SQ.KM.

METHOD OF SAMPLING POINT METHOD

INSTRUMENT USED SOUTH PACIFIC

PERIOD OF AVAILABLE RECORDS 1966 TO DATE

ACTUAL MEASUREMENT 1966-1978

REMARKS DISCONTINUED SEDIMENT STATION

USING RATING CURVE WATER YEAR 1966-1978

SUSPENDED SEDIMENT, IN TONS PER DAY, WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.2	0.1	3.0	0.1	3.6	11.3	875.9	259.3	62.5	17.8	1.1	0.5	
2	0.2	0.1	3.0	0.1	3.2	9.2	508.8	409.9	49.8	9.2	1.1	0.5	
3	0.2	0.1	3.0	0.1	9.7	13.2	278.7	358.8	42.7	6.9	1.1	0.5	
4	0.2	0.0	3.0	0.1	38.6	11.3	166.7	259.3	36.0	6.1	1.1	0.5	
5	0.3	0.0	2.7	0.1	54.7	39.9	106.1	185.0	32.2	5.6	1.0	0.4	
6	0.3	0.1	2.7	0.1	49.8	70.7	298.8	231.0	29.7	5.0	1.0	0.4	
7	0.3	0.1	2.5	0.1	57.3	76.3	1213.9	334.3	26.8	4.8	0.9	0.4	
8	0.3	0.1	2.5	0.1	24.9	409.9	3966.2	358.8	24.0	4.3	0.9	0.4	
9	0.3	0.1	2.4	0.1	24.0	91.2	2564.6	288.7	21.3	3.4	0.9	0.3	
10	0.2	0.1	2.2	0.1	37.3	70.7	2971.0	346.5	18.7	3.2	0.9	0.3	
11	0.2	0.1	1.9	0.1	34.7	664.8	2119.9	4228.5	17.0	3.0	1.3	0.3	
12	0.2	0.1	1.8	0.1	29.7	625.9	2714.3	2038.9	15.4	2.7	1.0	0.3	
13	0.2	1.1	1.6	0.3	33.4	831.2	2664.1	1185.2	14.7	2.5	0.8	0.3	
14	0.2	6.6	1.5	1.9	20.4	1072.9	2119.9	2079.3	13.2	2.4	0.7	0.3	
15	0.2	5.6	1.4	4.3	14.7	1615.3	1331.4	39773.7	11.9	2.4	0.7	0.3	
16	0.2	5.0	1.3	2.7	13.2	2202.1	1422.3	26433.6	11.3	2.2	0.7	0.3	
17	0.2	4.5	1.1	2.1	9.2	1185.2	745.2	70554.3	9.7	2.2	0.7	0.3	
18	0.2	4.3	0.9	2.1	7.2	765.8	3129.2	34781.2	9.2	2.2	0.7	0.3	
19	0.2	3.8	0.9	2.2	6.4	831.2	2971.0	9040.7	6.9	1.9	0.6	0.3	
20	0.2	3.6	0.7	2.4	5.6	664.8	6706.2	3622.3	6.9	1.5	0.6	0.3	
21	0.2	3.2	0.6	3.2	4.8	553.9	4497.1	1919.7	6.6	1.5	0.6	0.3	
22	0.2	3.2	0.6	10.8	3.8	288.7	2466.6	1128.5	6.1	1.4	0.6	0.3	
23	0.2	3.2	0.5	16.2	3.4	298.8	1361.4	684.6	5.8	1.1	0.6	0.3	
24	0.2	3.0	0.4	5.8	3.2	221.9	991.5	451.0	5.8	1.1	0.6	0.3	
25	0.2	3.0	0.3	5.0	2.5	154.9	745.2	322.3	5.6	1.1	0.5	0.3	
26	0.2	3.0	0.2	4.3	2.4	538.7	494.1	231.0	4.8	1.1	0.5	0.3	
27	0.2	3.0	0.2	3.7	2.1	346.5	346.5	160.7	4.5	1.1	0.5	0.3	
28	0.1	3.0	0.1	3.8	1.9	298.8	465.2	110.5	4.5	1.1	0.5	0.3	
29	0.1	3.0	0.1	4.1	1.6	204.1	384.0	91.2	4.3	1.1	0.5	0.3	
30	0.1	3.0	0.1	2.5	1.6	451.0	268.9	76.3	4.5	1.1		0.3	
31		3.0		3.2	1.9		191.3		17.0	1.1		0.3	
TOTAL	6.2	69.1	43.2	87.8	506.8	14620.2	51086.0	201945.1	529.4	102.1	22.7	10.5	269029.1 TONDAY
MEAN	0.2	2.2	1.4	2.8	16.3	487.3	1647.9	6731.5	17.1	3.3	0.8	0.3	
MAX	0.3	6.6	3.0	16.2	57.3	2202.1	6706.2	70554.3	62.5	17.8	1.3	0.5	70554.3
MIN	0.1	0.0	0.1	0.1	1.6	9.2	106.1	76.3	4.3	1.1	0.5	0.3	0.0

WATER YEAR 1983

SOUTHERN PENINSULA EAST COAST

KHLONG THA KHAE AT BAN THA KHAE, PHATTHALUNG (X.68)

LOCATION	LAT. 7-34-01 N., LONG. 100-03-05 E., ON LEFT BANK DOWNSTREAM SIDE OF THE BRIDGE OF PHATTHALUNG-HAT YAI HIGHWAY, TAMBON THA KHAE, AMPHOE MUANG, PHATTHALUNG.
DRAINAGE AREA	FLOOD PLAIN.
METHOD OF SAMPLING	DEPTH INTEGRATING
INSTRUMENT USED	US.DH-59
PERIOD OF AVAILABLE RECORDS	1983 TO DATE
ACTUAL MEASUREMENT	1983 TO DATE
REMARKS	CONTINUED SEDIMENT STATION USING RATING CURVE WATER YEAR 1983

SUSPENDED SEDIMENT, IN TONS PER DAY, WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	12.97	1.23	12.97	16.21	18.39	10.94	101.63	61.25	50.37	83.66	94.64	55.76	
2	9.43	1.23	9.43	17.38	6.40	18.39	110.85	113.24	70.97	75.16	81.40	55.76	
3	8.69	6.40	68.79	10.18	5.71	10.94	90.03	197.95	59.55	77.15	77.15	53.88	
4	15.06	1.98	44.08	8.69	12.03	10.94	72.95	94.64	96.96	72.95	77.15	52.22	
5	10.18	1.65	20.62	8.69	6.40	19.59	61.25	83.66	87.75	247.20	75.16	52.22	
6	4.39	1.65	15.06	15.06	5.71	28.31	52.22	225.72	72.95	312.87	70.97	48.73	
7	4.39	1.98	7.96	30.90	18.39	68.79	50.37	96.96	72.95	188.41	68.79	48.73	
8	1.98	5.71	23.07	7.24	18.39	35.07	42.69	92.33	81.40	182.10	75.16	48.73	
9	1.98	1.65	14.09	14.09	8.69	10.94	28.31	120.95	106.10	204.63	70.97	48.73	
10	2.43	1.98	19.59	28.31	5.71	53.88	57.64	99.29	154.23	169.60	70.97	45.69	
11	3.75	1.65	30.90	12.97	12.03	44.08	50.37	463.98	101.63	128.76	70.97	44.08	
12	3.75	0.24	48.73	21.84	39.53	18.39	68.79	133.93	133.93	108.47	145.14	44.08	
13	3.75	1.98	37.96	18.39	10.94	44.08	44.08	101.63	276.69	96.96	103.74	44.08	
14	5.04	33.73	32.41	20.62	8.69	30.90	75.16	110.85	236.42	90.03	83.66	45.69	
15	2.43	15.06	25.75	10.18	23.07	57.64	66.83	182.10	383.39	83.66	77.15	68.79	
16	1.65	27.02	32.41	19.59	101.63	90.03	45.69	160.34	666.22	77.15	94.64	52.22	
17	1.65	15.06	21.84	35.07	72.95	59.55	37.96	106.10	576.55	68.79	83.66	48.73	
18	1.23	2.43	17.38	261.73	55.76	53.88	41.10	106.10	215.13	68.79	75.16	47.31	
19	3.75	4.39	14.09	75.16	47.31	48.73	52.22	136.41	185.25	66.83	68.79	47.31	
20	3.26	7.24	12.03	44.08	33.73	18.39	106.10	96.96	128.76	68.79	65.10	65.10	
21	1.65	10.18	10.94	300.71	24.32	27.02	94.64	92.33	108.47	66.83	65.10	50.37	
22	1.65	0.84	10.94	292.66	50.37	23.07	99.29	79.39	94.64	66.83	63.17	33.73	
23	1.23	8.69	10.18	304.75	23.07	17.38	118.29	68.79	92.33	68.79	63.17	18.39	
24	0.00	9.43	23.07	265.38	21.84	47.31	92.33	65.10	81.40	208.11	59.55	33.73	
25	0.00	7.24	21.84	53.88	12.03	21.84	94.64	53.88	83.66	96.96	59.55	47.31	
26	0.24	1.98	17.38	47.31	10.18	77.15	99.29	55.76	139.14	83.66	65.10	33.73	
27	0.48	1.98	12.03	44.08	12.03	103.74	85.70	57.64	139.14	77.15	63.17	41.10	
28	1.23	33.73	17.38	99.29	8.69	96.96	81.40	55.76	139.14	70.97	52.22	304.75	
29	0.48	30.90	23.07	48.73	7.96	94.64	87.75	59.55	106.10	68.79	57.64	308.81	
30	1.98	24.32	10.18	42.69	6.40	79.39	68.79	53.88	87.75	79.39		41.10	
31		18.39		21.84	7.96		85.70		83.66	106.10		59.55	
TOTAL	110.70	281.94	666.17	2197.70	696.31	1321.96	2264.06	3426.47	4912.63	3465.54	2179.04	1990.41	23512.94 TONDAY
MEAN	3.69	9.09	22.21	70.89	22.46	44.07	73.03	114.22	158.47	111.79	75.14	64.21	
MAX	15.06	33.73	68.79	304.75	101.63	103.74	118.29	463.98	666.22	312.87	145.14	308.81	666.22
MIN	0.00	0.24	7.96	7.24	5.71	10.94	28.31	53.88	50.37	66.83	52.22	18.39	0.00

WATER YEAR 1983

SOUTHERN PENINSULA EAST COAST

KHLONG YAI AT BAN SALA MENG, PHATTHALUNG (X.82)

LOCATION .LAT. 7-26-46 N., LONG. 99-59-49 E., ON LEFT BANK AT BAN SALA MENG, KING AMPHOE KONG RA, PHATTHALUNG.

DRAINAGE AREA 116 SQ.KM.

METHOD OF SAMPLING DEPTH INTEGRATING

INSTRUMENT USED US.DH-59

PERIOD OF AVAILABLE RECORDS 1983-1984

ACTUAL MEASUREMENT 1983-1984

REMARKS CONTINUED SEDIMENT STATION

USING RATING CURVE WATER YEAR 1983

SUSPENDED SEDIMENT, IN TONS PER DAY, WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	5.11	2.52	17.83	2.24	7.60	5.37	83.37	52.62	16.38	45.28	81.12	19.78	
2	4.85	2.91	13.37	1.52	7.02	4.85	64.81	93.98	26.63	86.80	52.62	18.80	
3	4.39	3.32	22.82	1.06	5.11	4.18	31.31	122.10	24.07	57.60	46.14	17.83	
4	3.74	3.74	15.46	1.37	3.32	3.94	19.32	67.98	25.98	45.28	31.99	16.88	
5	3.51	4.18	10.28	2.24	2.24	8.91	14.61	61.69	119.10	53.60	57.60	15.03	
6	3.51	3.74	5.37	3.51	1.64	7.95	12.16	62.72	81.12	91.43	37.89	14.19	
7	3.09	3.32	3.51	3.94	1.26	6.74	10.99	38.70	70.12	86.80	36.37	14.19	
8	2.91	2.91	3.09	5.37	0.88	5.64	10.28	104.42	55.59	105.86	41.08	13.78	
9	3.51	2.69	2.69	7.60	0.62	6.18	10.60	64.81	117.60	158.65	37.17	13.37	
10	3.94	2.52	3.94	5.11	0.78	5.64	10.60	78.88	173.59	125.13	36.37	12.56	
11	3.74	2.38	5.64	3.32	4.85	5.11	12.16	126.65	97.86	81.12	70.12	10.99	
12	3.51	2.24	7.60	3.94	4.39	4.39	12.96	83.37	103.10	69.05	187.61	9.59	
13	3.09	2.08	5.91	4.85	3.74	3.51	13.37	58.62	297.19	54.59	131.26	6.46	
14	2.69	2.08	6.74	6.18	6.46	2.91	14.19	67.98	332.69	50.66	65.86	5.91	
15	2.52	2.08	8.25	7.95	8.60	4.60	12.96	103.10	405.44	46.14	54.59	13.37	
16	2.38	2.38	9.59	9.22	12.56	4.85	10.28	201.83	402.41	45.28	122.10	7.60	
17	2.38	2.08	8.60	13.78	11.76	6.18	9.91	104.42	358.33	37.89	64.81	8.91	
18	2.52	1.64	6.74	17.83	9.91	5.64	11.76	64.81	261.20	37.17	50.66	6.74	
19	3.09	1.37	5.64	26.63	7.95	5.11	15.46	113.16	187.61	34.94	39.44	5.37	
20	3.09	1.15	5.11	19.78	5.37	4.39	17.83	65.86	128.18	33.46	37.89	18.80	
21	2.52	1.06	4.39	15.46	3.51	5.64	19.32	66.92	100.47	29.27	33.46	6.46	
22	1.95	0.96	6.46	11.37	2.91	7.60	18.35	39.44	76.66	26.63	31.31	5.11	
23	1.52	1.26	7.31	7.95	1.95	10.99	23.44	31.99	64.81	40.26	30.63	7.95	
24	1.15	2.08	5.91	5.11	1.64	13.78	29.27	25.98	59.63	214.28	27.94	6.46	
25	1.06	2.91	4.85	7.60	3.51	11.76	28.61	21.59	50.66	85.65	24.07	5.91	
26	0.96	3.51	3.94	9.91	4.60	14.19	32.69	21.59	99.16	56.59	29.27	12.16	
27	0.96	1.64	3.09	29.95	5.11	91.43	69.05	21.59	100.47	47.00	25.98	6.46	
28	0.88	1.95	3.51	19.32	6.46	89.10	44.43	21.59	87.95	34.16	24.07	5.11	
29	0.96	3.51	3.09	17.39	7.31	81.12	31.31	20.98	64.81	30.63	20.98	4.85	
30	2.08	8.91	2.69	14.61	6.74	83.37	38.70	20.38	52.62	30.63		7.60	
31		34.94		9.91	6.74		44.43		44.43	75.55		38.70	
TOTAL	81.61	114.06	213.42	296.02	156.54	515.07	778.53	2029.75	4085.86	2017.38	1530.40	356.92	12175.56 TONDAY
MEAN	2.72	3.68	7.11	9.55	5.05	17.17	25.11	67.66	131.80	65.08	52.77	11.51	
MAX	5.11	34.94	22.82	29.95	12.56	91.43	83.37	201.83	405.44	214.28	187.61	38.70	405.44
MIN	0.88	0.96	2.69	1.06	0.62	2.91	9.91	20.38	16.38	26.63	20.98	4.85	0.62

WATER YEAR 1983

SOUTHERN PENINSULA EAST COAST

KHLONG U TAPHAO AT BAN BANG SALA, SONGKHLA (X.90)

LOCATION	LAT. 6-55-39 N., LONG. 100-26-37 E., ON LEFT BANK ABOUT 5 METERS UPSTREAM FROM THE BRIDGE ON HIGHWAY AND NEAR THE PHATTHANA TAMBON STREET, AMPHOE HAT YAI, SONGKHLA.
DRAINAGE AREA	1,562 SQ.KM.
METHOD OF SAMPLING	DEPTH INTEGRATING
INSTRUMENT USED	US.DH-59
PERIOD OF AVAILABLE RECORDS	1982 TO DATE
ACTUAL MEASUREMENT	1982 TO DATE
REMARKS	CONTINUED SEDIMENT STATION USING RATING CURVE WATER YEAR 1982,1983

SUSPENDED SEDIMENT, IN TONS PER DAY, WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	7.89	1.98	10.98	12.16	14.52	66.34	329.58	499.49	226.51	324.79	58.76	17.71	
2	7.51	2.69	9.82	11.37	11.37	54.46	363.20	479.86	219.72	293.78	57.69	17.31	
3	3.41	7.51	8.28	10.20	9.43	48.04	377.68	472.51	219.72	255.41	55.53	16.91	
4	6.75	7.89	8.28	9.43	20.13	37.46	377.68	479.86	233.30	238.35	56.61	16.91	
5	6.38	4.51	9.43	10.59	129.57	51.24	355.98	492.12	1905.41	223.11	55.53	16.91	
6	6.38	4.51	9.05	8.66	207.83	87.17	329.58	497.03	3391.90	209.57	54.46	16.51	
7	5.62	9.82	8.66	9.05	229.90	103.49	279.53	509.32	2840.34	209.57	53.39	15.71	
8	4.88	16.51	7.51	14.13	223.11	92.70	240.11	541.34	2478.85	216.34	46.98	14.52	
9	4.14	19.72	7.13	14.52	121.33	103.49	179.31	568.53	2746.29	202.82	44.85	13.73	
10	3.77	20.13	7.89	15.32	214.70	95.36	146.04	605.98	3135.97	189.36	42.73	13.34	
11	3.41	18.92	8.66	16.91	179.31	78.36	119.75	706.98	2905.88	175.96	40.62	12.94	
12	3.41	17.31	10.59	28.51	118.06	63.09	100.26	839.24	2546.57	164.23	38.51	12.55	
13	3.41	19.72	17.31	25.42	88.27	52.32	91.59	1092.26	2546.57	152.66	37.46	12.16	
14	3.41	19.72	16.51	24.19	60.92	53.39	95.36	1217.19	4269.91	139.44	34.32	13.73	
15	3.41	22.97	16.51	18.92	80.55	62.01	116.49	1360.26	4651.33	127.87	31.20	18.92	
16	3.41	39.57	49.11	16.51	139.44	76.16	139.44	1317.23	3974.04	121.33	29.13	20.53	
17	3.41	45.91	54.46	14.52	209.57	184.27	175.96	1198.15	3373.97	109.98	27.89	19.32	
18	3.41	38.51	80.55	14.92	238.35	277.16	196.09	1155.46	2746.29	103.49	26.04	20.53	
19	3.41	22.56	81.65	13.34	250.34	270.05	114.80	1141.25	2188.98	90.48	24.81	20.13	
20	3.05	16.51	73.97	29.13	248.57	238.35	234.94	1183.91	1712.91	86.06	24.19	19.72	
21	3.05	21.34	60.92	21.34	243.52	196.09	277.16	1107.72	1398.52	81.65	23.58	18.92	
22	2.33	20.53	35.37	15.32	245.16	152.66	450.52	969.08	1103.85	77.26	22.56	18.52	
23	1.98	19.72	31.20	13.34	310.45	142.74	619.66	823.41	886.85	73.97	21.75	20.53	
24	1.63	15.32	43.79	11.76	322.40	129.57	619.66	652.55	741.64	77.26	20.94	22.16	
25	3.05	13.73	42.73	10.20	248.57	114.80	608.71	531.47	649.81	73.97	20.13	21.75	
26	3.41	11.37	29.13	10.59	184.27	108.41	616.92	467.62	581.41	69.61	18.92	22.16	
27	3.77	10.98	21.75	12.94	141.14	116.49	614.18	397.02	536.41	68.52	18.52	22.16	
28	3.41	11.76	17.71	14.92	106.73	181.04	616.92	334.37	492.12	66.34	17.71	21.34	
29	2.69	9.82	15.32	14.52	116.49	197.71	619.66	296.15	440.76	64.17	18.11	20.94	
30	3.05	9.05	13.73	18.92	109.98	233.30	571.01	257.18	401.87	63.09		20.53	
31		11.37		18.11	77.26		516.70		360.80	62.01		20.13	
TOTAL	118.84	511.96	808.00	479.76	4901.24	3667.72	10494.47	22194.54	55908.51	4412.45	1022.92	559.23	105079.65 TONDAY
MEAN	3.96	16.51	26.93	15.48	158.10	122.26	338.53	739.82	1803.50	142.34	35.27	18.04	
MAX	7.89	45.91	81.65	29.13	322.40	277.16	619.66	1360.26	4651.33	324.79	58.76	22.16	4651.33
MIN	1.63	1.98	7.13	8.66	9.43	37.46	91.59	257.18	219.72	62.01	17.71	12.16	1.63

WATER YEAR 1983

SOUTHERN PENINSULA EAST COAST

KHLONG SADAO AT BAN PHRAI, SONGKHLA (X.111)

LOCATION	LAT. 6-39-37 N., LONG. 100-26-09 E., ON LEFT BANK AT BAN PHRAI, AMPHOE SADAO, SONGKHLA.
DRAINAGE AREA	256 SQ.KM.
METHOD OF SAMPLING	DEPTH INTEGRATING
INSTRUMENT USED	US.DH-59
PERIOD OF AVAILABLE RECORDS	1980 TO DATE
ACTUAL MEASUREMENT	1980 TO DATE
REMARKS	CONTINUED SEDIMENT STATION USING RATING CURVE WATER YEAR 1980-1982

SUSPENDED SEDIMENT, IN TONS PER DAY, WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	7.67	8.40	7.42	7.42	8.40	11.80	43.26	44.87	17.58	19.42	13.60	8.96	
2	6.38	6.91	8.40	7.17	8.40	11.80	37.72	45.47	18.21	19.06	13.49	8.96	
3	5.82	7.42	8.96	7.17	10.56	11.06	33.01	49.79	34.74	18.28	12.99	9.77	
4	5.65	7.67	8.68	7.17	39.66	13.83	28.10	53.90	33.88	16.56	12.28	9.24	
5	5.42	7.42	7.92	7.92	43.26	14.24	23.80	49.05	51.70	16.14	12.52	8.68	
6	5.19	13.75	6.91	8.68	36.61	13.53	19.58	43.04	72.40	15.93	12.52	8.68	
7	5.19	14.35	6.65	7.92	31.63	16.00	19.32	38.69	68.22	15.58	12.04	8.40	
8	5.19	12.52	6.38	7.92	20.43	15.86	18.38	35.17	55.62	15.22	11.31	8.16	
9	5.01	13.72	7.17	7.92	14.94	14.28	16.42	32.64	49.42	15.08	11.31	8.16	
10	5.01	11.56	13.45	8.68	13.87	14.42	15.79	34.88	56.13	14.86	11.06	8.16	
11	5.01	9.51	10.81	9.24	13.45	14.94	15.30	45.17	52.14	14.53	12.52	8.68	
12	5.19	7.67	9.51	9.77	13.98	13.94	14.79	57.13	47.55	14.42	13.56	8.16	
13	5.01	13.22	8.16	11.80	18.64	13.22	22.50	56.63	55.19	14.17	12.76	7.67	
14	4.76	24.26	14.79	10.30	18.02	14.05	20.43	48.67	72.40	14.09	11.56	13.56	
15	5.01	16.21	18.11	8.16	20.05	15.93	31.88	46.66	66.08	13.98	11.06	15.93	
16	5.82	13.45	20.89	7.92	38.04	19.00	38.53	46.96	58.62	13.83	10.56	14.39	
17	5.19	10.81	16.70	7.42	44.13	24.84	44.35	44.57	51.26	13.68	10.30	11.31	
18	4.76	9.51	14.94	7.17	37.72	21.66	38.69	41.04	46.07	13.60	10.30	9.77	
19	4.12	14.05	12.04	6.91	29.56	16.49	35.61	43.70	42.16	13.53	10.04	9.51	
20	3.85	13.22	7.17	7.42	21.66	14.64	34.44	41.71	38.53	13.45	9.77	8.96	
21	3.64	12.52	16.35	7.67	19.67	15.22	36.47	38.53	35.61	13.22	9.77	13.83	
22	3.64	9.24	17.41	8.16	22.98	14.39	39.34	35.61	33.01	12.99	9.77	11.31	
23	4.76	8.16	13.83	7.42	20.62	14.90	63.91	31.50	30.47	12.76	9.51	9.77	
24	5.42	9.51	11.56	7.42	17.04	15.01	58.13	29.17	27.97	14.79	9.51	9.77	
25	5.82	9.51	9.51	7.17	14.64	14.31	51.70	24.72	25.52	14.31	9.24	9.51	
26	5.19	8.40	8.96	7.67	14.02	26.74	52.58	22.74	24.49	13.87	8.96	9.51	
27	6.10	8.16	8.40	9.24	13.75	45.77	45.47	21.17	23.45	13.56	8.96	9.24	
28	5.82	9.24	8.16	9.77	13.64	58.62	39.82	20.05	21.78	13.49	9.24	8.68	
29	5.19	8.96	7.92	12.04	12.99	55.19	42.16	19.26	20.99	13.22	9.77	8.68	
30	5.82	8.16	7.67	11.80	12.04	50.52	42.82	18.48	20.15	12.76		8.68	
31		7.17		9.77	11.80		45.17		18.90	12.76		9.51	
TOTAL	156.65	334.66	324.83	262.21	656.20	616.20	1069.47	1160.97	1270.24	453.14	320.28	303.60	6928.45 TONDAY
MEAN	5.22	10.80	10.83	8.46	21.17	20.54	34.50	38.70	40.98	14.62	11.04	9.79	
MAX	7.67	24.26	20.89	12.04	44.13	58.62	63.91	57.13	72.40	19.42	13.60	15.93	72.40
MIN	3.64	6.91	6.38	6.91	8.40	11.06	14.79	18.48	17.58	12.76	8.96	7.67	3.64

WATER YEAR 1983

SOUTHERN PENINSULA EAST COAST

KHLONG LAM AT BAN THUNG PRAP (1), SONGKHLA (X.113)

LOCATION	LAT. 6-37-59 N., LONG. 100-23-46 E., ON RIGHT BANK AT BAN THUNG PRAP (I), AMPHOE SADAO, SONGKHLA.
DRAINAGE AREA	129 SQ.KM.
METHOD OF SAMPLING	DEPTH INTEGRATING
INSTRUMENT USED	US.DH-59
PERIOD OF AVAILABLE RECORDS	1980 TO DATE
ACTUAL MEASUREMENT	1980 TO DATE
REMARKS	CONTINUED SEDIMENT STATION USING RATING CURVE WATER YEAR 1983

SUSPENDED SEDIMENT, IN TONS PER DAY, WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.41	0.56	0.31	0.41	0.67	4.05	23.03	20.21	5.62	10.83	3.30	0.84	
2	0.31	0.31	0.31	0.36	0.41	3.30	27.10	36.61	5.95	8.76	3.15	0.84	
3	0.31	0.36	0.26	3.44	74.44	2.86	18.68	194.49	13.94	7.12	2.86	0.84	
4	0.26	0.31	0.26	1.25	244.77	13.36	12.79	51.96	9.74	6.78	2.58	0.72	
5	0.26	0.26	0.22	1.50	49.76	11.95	10.29	21.87	155.49	6.61	2.58	0.72	
6	0.26	8.33	0.22	1.19	15.10	5.95	8.59	19.91	110.14	6.45	2.44	0.67	
7	0.26	3.44	0.22	2.03	9.21	4.20	7.72	18.68	112.40	6.28	2.16	0.56	
8	0.26	1.19	0.22	4.35	5.30	4.35	6.78	35.70	23.03	5.95	1.89	0.56	
9	0.22	0.56	0.31	3.15	3.89	3.44	6.28	16.28	33.42	5.46	1.76	0.41	
10	0.22	0.41	0.41	7.72	2.72	3.44	7.72	13.36	98.42	5.30	1.76	0.51	
11	0.26	0.31	1.19	3.59	2.30	3.59	6.45	12.51	28.30	5.14	2.03	0.51	
12	0.41	3.00	0.56	2.30	20.21	2.72	7.98	25.16	28.30	4.67	3.59	0.41	
13	0.31	7.72	2.03	2.72	27.10	2.16	24.09	15.69	122.67	4.51	2.72	6.78	
14	0.26	8.76	5.79	1.76	18.38	2.58	16.87	27.43	497.22	4.35	2.16	25.91	
15	0.22	8.15	26.67	1.19	54.17	7.98	56.41	37.54	139.27	4.05	1.89	21.15	
16	0.22	1.38	18.99	0.89	163.34	7.12	209.31	26.67	50.86	3.89	1.76	4.51	
17	0.22	0.84	26.34	0.72	88.44	12.79	57.03	14.51	32.18	3.59	1.63	3.15	
18	0.22	0.41	2.58	0.67	20.83	9.48	34.78	24.09	24.84	3.44	1.50	2.30	
19	0.22	0.84	1.50	0.56	10.02	5.62	32.18	15.39	21.15	3.15	1.50	1.76	
20	0.17	3.74	1.19	0.41	7.29	11.11	68.72	14.51	18.68	3.00	1.38	4.05	
21	0.17	0.89	21.87	0.41	28.30	7.46	21.56	11.67	17.47	2.86	1.25	4.67	
22	0.17	0.51	4.35	0.36	33.88	17.77	38.93	9.74	15.98	2.86	1.25	3.44	
23	0.17	0.41	2.44	0.31	10.56	10.83	39.86	8.33	14.81	2.72	1.19	2.16	
24	0.17	0.89	1.63	0.31	7.12	10.56	20.21	7.72	13.08	9.48	1.01	1.50	
25	0.17	0.51	1.19	0.31	5.79	8.59	16.87	7.29	12.23	4.82	0.89	2.03	
26	0.22	0.41	0.84	0.41	4.82	65.89	16.28	6.95	12.51	4.05	0.89	1.76	
27	0.17	0.31	0.72	0.67	4.82	209.31	12.23	6.61	11.67	3.44	0.84	1.50	
28	0.17	1.01	0.67	0.41	4.35	127.29	39.86	6.12	10.29	3.00	0.89	1.25	
29	0.22	0.89	0.56	0.36	3.74	75.89	15.69	6.12	9.21	2.72	0.84	1.01	
30	0.51	0.51	0.56	0.31	15.98	44.58	71.57	5.95	8.59	2.72		1.50	
31		0.36		0.26	5.79		18.07		8.59	3.15		3.74	
TOTAL	7.42	57.58	124.41	44.33	943.50	700.22	953.93	719.07	1666.05	151.15	53.69	101.76	5523.11 TONDAY
MEAN	0.25	1.86	4.15	1.43	30.44	23.34	30.77	23.97	53.74	4.88	1.85	3.28	
MAX	0.51	8.76	26.67	7.72	244.77	209.31	209.31	194.49	497.22	10.83	3.59	25.91	497.22
MIN	0.17	0.26	0.22	0.26	0.41	2.16	6.28	5.95	5.62	2.72	0.84	0.41	0.17

WATER YEAR 1983

SOUTHERN PENINSULA EAST COAST

KOLOK RIVER AT SUNGAI KOLOK, NARATHIWAT (X.119)

LOCATION	LAT. 6-04-09 N., LONG. 102-02-22 E., ON LEFT BANK NEAR THE MUNO SCHOOL, TAMBON MUNO, AMPHOE SUNGAI KOLOK, NARATHIWAT.
DRAINAGE AREA	1,600 SQ.KM.
METHOD OF SAMPLING	DEPTH INTEGRATING
INSTRUMENT USED	US.D-49
PERIOD OF AVAILABLE RECORDS	1981 TO DATE
ACTUAL MEASUREMENT	1981 TO DATE
REMARKS	CONTINUED SEDIMENT STATION USING RATING CURVE WATER YEAR 1983

SUSPENDED SEDIMENT, IN TONS PER DAY, WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	30.35	17.17	114.86	196.00	368.47	332.74	300.54	495.61	347.25	513.37	571.27	419.63	
2	29.39	22.06	101.61	208.61	383.54	316.74	273.30	513.37	365.15	474.81	671.04	419.63	
3	30.35	32.22	84.58	183.16	366.81	293.92	248.66	508.51	437.26	438.85	658.06	427.64	
4	30.35	30.35	83.52	243.74	347.25	255.29	232.64	500.45	618.54	421.23	593.23	406.72	
5	27.41	36.03	83.52	298.90	339.19	227.83	203.85	465.14	829.07	421.23	551.29	386.90	
6	26.39	32.22	82.45	268.41	361.80	211.74	191.77	465.14	999.51	426.03	511.75	355.27	
7	24.28	28.41	85.64	240.60	366.81	234.24	184.61	452.06	994.73	426.03	478.01	323.08	
8	20.90	23.19	109.59	223.05	353.67	207.03	188.93	408.35	939.74	427.64	481.19	298.90	
9	19.70	23.19	130.72	202.24	323.08	237.43	224.65	371.78	877.70	442.10	479.60	274.92	
10	17.17	47.05	153.62	193.19	297.24	284.51	235.84	368.47	822.52	442.10	487.53	260.19	
11	14.41	50.46	221.44	183.16	276.53	308.70	237.43	360.13	792.23	440.43	562.07	246.99	
12	12.90	63.72	218.21	186.05	253.64	281.33	231.03	426.03	780.86	434.07	629.36	234.24	
13	12.90	94.10	208.61	202.24	231.03	263.48	218.21	526.18	863.40	424.41	663.64	224.65	
14	14.41	90.44	183.16	211.74	213.30	240.60	242.18	510.14	999.51	403.46	656.19	246.99	
15	18.46	92.89	161.03	246.99	207.03	224.65	293.92	526.18	948.46	371.78	616.73	295.59	
16	19.70	84.58	158.09	265.13	202.24	248.66	342.38	572.81	889.52	345.63	577.42	270.05	
17	18.46	74.89	175.79	246.99	199.02	270.05	324.66	546.63	832.33	315.14	563.60	266.77	
18	18.46	63.72	178.76	231.03	194.60	281.33	303.82	588.39	786.34	293.92	516.59	255.29	
19	20.90	53.75	211.74	214.95	184.61	411.59	276.53	554.38	768.11	274.92	461.89	243.74	
20	14.41	47.05	221.44	202.24	208.61	516.59	266.77	535.68	760.41	258.56	448.75	260.19	
21	18.46	68.93	196.00	231.03	373.43	527.77	248.66	510.14	725.16	245.31	437.26	298.90	
22	15.83	64.78	177.28	253.64	391.91	492.36	234.24	479.60	654.32	234.24	403.46	295.59	
23	12.90	53.75	175.79	229.41	370.13	478.01	293.92	434.07	665.49	229.41	366.81	258.56	
24	8.16	43.48	174.30	226.24	334.36	434.07	344.01	385.23	631.15	242.18	334.36	243.74	
25	8.16	40.78	180.23	240.60	305.45	391.91	383.54	348.86	594.84	323.08	308.70	250.32	
26	15.83	43.48	175.79	268.41	273.30	352.07	418.03	326.23	609.93	378.47	308.70	284.51	
27	18.46	47.05	163.94	302.18	256.93	324.66	419.63	300.54	636.51	370.13	331.12	289.24	
28	18.46	42.59	152.16	335.97	281.33	327.86	445.44	311.93	638.29	345.63	408.35	284.51	
29	17.17	49.34	169.77	373.43	253.64	318.33	447.10	376.77	608.22	345.63	456.99	258.56	
30	17.17	58.25	190.35	419.63	263.48	319.92	435.66	361.80	557.46	414.82		266.77	
31		90.44		403.46	307.08		482.78		546.63	503.66		273.30	
TOTAL	571.90	1610.36	4723.99	7732.42	9089.51	9615.41	9174.73	13530.60	22520.64	11628.27	14534.96	9121.38	113854.19 TONDAY
MEAN	19.06	51.95	157.47	249.43	293.21	320.51	295.96	451.02	726.47	375.11	501.21	294.24	
MAX	30.35	94.10	221.44	419.63	391.91	527.77	482.78	588.39	999.51	513.37	671.04	427.64	999.51
MIN	8.16	17.17	82.45	183.16	184.61	207.03	184.61	300.54	347.25	229.41	308.70	224.65	8.16

WATER YEAR 1983

SOUTHERN PENINSULA EAST COAST

KHLONG THA MA DUA AT BAN KHLONG AI TO, PHATTHALUNG (X.129)

LOCATION	LAT. 70-23-19 N., LONG. 100-06-44 N., ON RIGHT BANK NEAR WAT BAN AI TO, BAN KHLONG AI TO, AMPHOE KHAO CHAI SON, PHATTHALUNG.
DRAINAGE AREA	332 SQ.KM.
METHOD OF SAMPLING	DEPTH INTEGRATING
INSTRUMENT USED	US.DH-59
PERIOD OF AVAILABLE RECORDS	1983 TO DATE
ACTUAL MEASUREMENT	1983 TO DATE
REMARKS	CONTINUED SEDIMENT STATION USING RATING CURVE WATER YEAR 1983

SUSPENDED SEDIMENT, IN TONS PER DAY, WATER YEAR APRIL 1, 1983 TO MARCH 31, 1984

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	7.39	7.57	17.29	4.84	8.95	5.18	8.95	9.37	12.94	8.95	39.32	21.09	
2	7.39	6.98	15.43	4.84	6.71	5.35	7.39	29.01	13.54	7.25	31.65	20.52	
3	7.12	6.42	13.34	4.84	5.98	5.35	7.39	43.44	16.07	7.75	28.64	20.13	
4	6.98	6.56	11.68	5.67	10.57	5.35	5.98	29.56	18.74	5.98	27.02	19.54	
5	6.85	6.71	10.10	5.51	11.90	5.18	5.51	24.53	55.94	5.51	28.29	18.94	
6	6.71	6.98	8.95	4.84	11.68	5.02	5.35	27.02	74.55	5.35	26.32	18.94	
7	6.27	7.39	8.45	4.67	11.47	5.02	5.35	20.32	65.87	5.35	24.89	18.53	
8	5.02	6.56	8.45	8.79	9.11	4.84	5.35	31.06	57.81	5.35	25.43	18.12	
9	4.67	7.25	8.45	9.86	10.33	4.84	5.18	25.07	91.47	5.18	24.89	17.70	
10	4.49	7.93	8.62	10.57	9.11	4.84	5.18	24.53	86.88	5.18	25.25	17.49	
11	4.30	7.12	10.10	10.57	8.79	4.67	5.82	38.62	69.58	5.18	42.28	17.09	
12	4.30	6.71	10.10	9.37	8.28	4.84	5.18	34.83	57.61	5.18	52.18	16.68	
13	4.30	10.10	11.47	9.86	6.56	4.84	5.18	28.29	112.42	5.18	61.11	16.48	
14	4.30	12.74	10.10	9.61	5.82	4.84	5.18	29.93	144.26	5.18	42.98	16.27	
15	4.30	11.90	9.86	8.79	5.67	4.84	5.18	41.34	144.85	5.18	35.80	16.27	
16	4.30	9.61	9.11	8.28	11.90	4.84	5.18	48.12	144.06	5.18	35.22	16.89	
17	4.30	8.28	8.62	9.86	13.54	4.84	5.18	37.31	130.83	5.18	34.43	16.07	
18	4.30	7.39	9.61	13.14	9.86	4.84	5.35	38.52	91.04	5.35	30.11	15.86	
19	4.30	6.98	9.11	15.64	6.13	4.84	6.71	44.72	83.80	6.71	27.93	15.64	
20	4.30	6.71	8.79	12.11	5.82	4.84	5.51	36.94	55.75	5.51	26.50	16.48	
21	4.30	6.56	7.93	9.86	5.51	4.84	14.32	30.11	47.72	14.32	25.79	15.64	
22	4.15	7.93	7.57	8.45	5.51	4.84	11.25	25.07	40.39	11.25	24.89	15.25	
23	4.15	8.28	7.57	6.42	5.82	4.84	29.38	22.06	36.56	29.38	23.97	15.86	
24	4.15	7.57	8.62	5.35	7.25	4.84	24.71	19.14	32.84	24.89	22.84	16.07	
25	4.15	8.79	8.62	5.02	7.12	5.18	19.14	16.89	32.44	19.74	22.64	14.51	
26	4.15	7.75	7.93	7.39	6.98	5.18	19.54	15.07	45.91	19.74	23.41	18.12	
27	4.30	7.57	7.25	16.48	5.67	7.75	17.09	13.54	39.42	15.43	22.25	15.64	
28	4.30	7.75	6.85	13.93	5.51	13.54	19.14	13.14	38.62	19.34	23.78	14.69	
29	4.30	9.37	5.67	14.69	5.35	12.53	14.51	14.69	37.68	14.69	21.66	12.74	
30	4.15	10.57	5.02	12.94	5.35	9.61	14.69	14.69	30.66	14.69		13.14	
31		21.09		11.68	5.35		11.90		27.02	11.90		13.14	
TOTAL	147.99	261.12	280.66	283.87	243.60	172.35	311.77	826.93	1937.27	311.05	881.47	519.53	6177.61 TONDAY
MEAN	4.93	8.42	9.36	9.16	7.86	5.75	10.06	27.56	62.49	10.03	30.40	16.76	
MAX	7.39	21.09	17.29	16.48	13.54	13.54	29.38	48.12	144.85	29.38	61.11	21.09	144.85
MIN	4.15	6.42	5.02	4.67	5.35	4.67	5.18	9.37	12.94	5.18	21.66	12.74	4.15